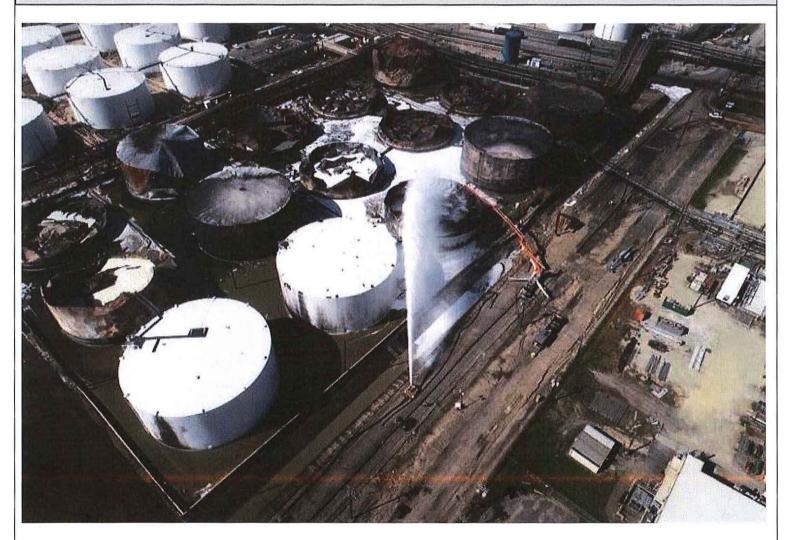
| Name: Period 9 | Name

# **Incident Action Plan**

Notes

Period 9 IAP (48 hour Operational Period)

2nd 80's Tank Farm



IAP Cover Sheet	Prepared By Planning Section, Updated 03/31/2019 21:09 UTC -6: PP

Incident Name: 2nd 80's Fire	Period: Period 9 [04/0	1/19 07:00 - 04/03/19 07:00
Report Name		Page
IAP Cover Sheet		1
Weather Report		3
Map/Sketch		5
ICS 202 - Incident Objectives		6
ICS 204 - Assignment List		7
ICS 205 - Radio Communications		53
ICS 205a - Communications List		54
ICS 206 - Medical Plan		56
ICS 207 - Organization Chart		67
ICS 208 - Site Safety Plan		71

Table of Contents			
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 2 of 86	© TRG

Weather Report Version Name: 20190331 2130 Incident Name: 2nd 80's Fire Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00] **Present Conditions** Weather Conditions as of 03/31/2019 21:26 deer park station id: MID UR113 Temperature: 49° Fahrenheit Feels Like: 49° Fahrenheit Wind Speed: 6 mph Dew Point: ° Fahrenheit Wind Direction (from): NE Pressure: psi Visibility: mile(s) **UV Index:** Humidity (%): **Sunrise:** 07:10 : Partly Cloudy Sunset: 19:38 : Partly Cloudy **Current Speed:** Wave Height: feet feet Wave Direction: NE Current Direction (to): Water Temperature: ° Fahrenheit Swell Interval: day(s) feet Forecast Date **Mostly Cloudy with Isolated Partly Cloudy Showers** Sun 03/31/2019 Chance of Precipitation(%): 9% Chance of Precipitation(%): 19% Wind: 13 mph 45 F Wind: 5 mph Partly Cloudy with Isolated Clear Showers Mon 04/01/2019 Chance of Precipitation(%): 9% Chance of Precipitation(%): 14% Wind: 6 mph Wind: 4 mph 43 F **Mostly Sunny Mostly Clear** Tue 04/02/2019 Chance of Precipitation(%): 1% Chance of Precipitation(%): 0% Wind: 3 mph Wind: 6 mph 68 F 54 F **Tides UOM Tide Station Location Tide** Height **Time** Low 0.301 feet 13:50 Lynchburg Landing, San Jacinto River, Tx Us Mon 04/01/2019 21:20 High 1.469 feet Lynchburg Landing, San Jacinto River, Tx Us 1.006 03:36 Lynchburg Landing, San Jacinto River, Tx Us Low feet 07:30 Lynchburg Landing, San Jacinto River, Tx Us High 1.111 feet Tue 04/02/2019 Low 0.387 feet 14:31 Lynchburg Landing, San Jacinto River, Tx Us 1.409 feet 21:37 Lynchburg Landing, San Jacinto River, Tx Us High

Prepared By PSC, Updated 03/31/2019 21:27 UTC -6:00 PP

Page 3 of 86

© TRG

**Weather Report** 

INCIDENT ACTION PLAN SOFTWARE™

Printed 03/31/2019 22:56 UTC -6:00

Weather Re	port					Version Name: 20190331 2130
Incident Name	e: 2nd 80's	Fire				Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
	Low	0.904	feet	03:19	Lynchb	ourg Landing, San Jacinto River, Tx Us
Wed	High	1.192	feet	08:35 Lynchburg Landing, San Jacinto River, Tx Us		ourg Landing, San Jacinto River, Tx Us
04/03/2019	Low	0.515	feet	15:09 Lynchburg Landing, San Jacinto River, Tx Us		ourg Landing, San Jacinto River, Tx Us
	High	1.338	feet	21:45 Lynchburg Landing, San Jacinto River, Tx Us		

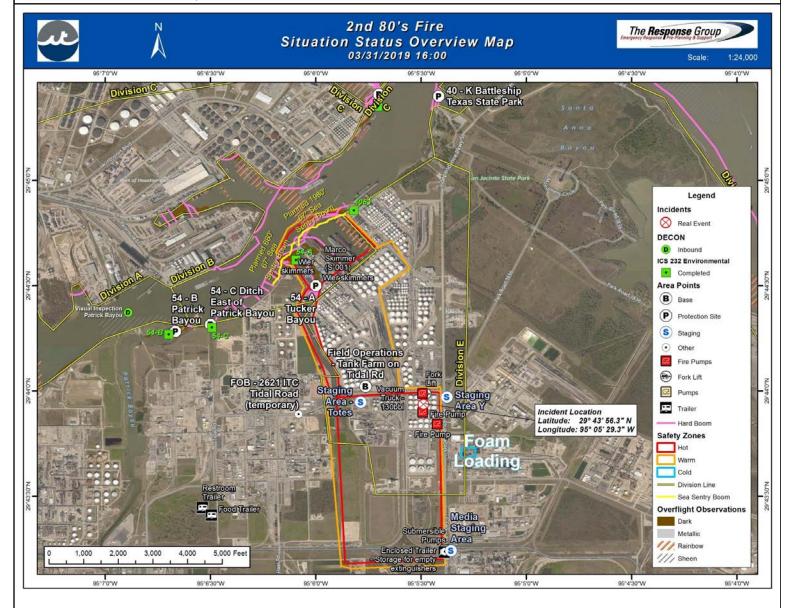
Weather Report		Prepared By PSC, Updated 03/31/2019 21:27 UTC -6:00 PP		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:56 UTC -6:00	Page 4 of 86	© TRG	

Map/Sketch Version Name: 20190331 Situation Status Map 1600

Incident Name: 2nd 80's Fire Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

# Incident Map/Sketch

20190331 Situation Status Map 1600



Map/Sketch		Prepared By Planning, Updated 03/31/2019 15:57 UTC -6:00 PP		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:56 UTC -6:00	Page 5 of 86	© TRG	

ICS 2	02 - Incident Object	ives			Vers	ion Name: Period 9		
Incide	nt Name: 2nd 80's Fire			Period: Period 9 [04/01	/2019 07:00	- 04/03/2019 07:00]		
	Objective(s)							
Ensure	e the Safety of the Public a			-(-)				
	·	ntrol on Independence Parkwa	V					
	Maximize the Protection of Public Health and Welfare.							
Maxim	Maximize Protection of Environmentally and Socially Sensitive Areas.							
Monito	Monitor, Recover, and Rehabilitate Impacted Wildlife							
Mainta Stabili		ties to Prevent Re-ignition and	Sup	press Vapor. Continue Asses	sing Risk in T	ank Area for Site		
Suppo	rt and Facilitate Evidence	Preservation in the Tank Farm	Are	a				
	ue Execution of Water and							
	ze Further Release of Pro							
	n and Recover Spilled Ma							
	nt Further Impacts to Marit	<u> </u>						
	Port Recovery and Rest							
Keep t		nd the Media Informed of Resp		·				
	Operational Perio	od Command Emphasis (Safe	ty M	lessage, Priorities, Key Dec	isions/Direct	tions)		
	Safety is the number one priority. All responders have "Stop Work Authority." Report any unsafe acts or situation to your supervisor immediately.							
		Incident Action	Plai	n Components				
x	IAP Cover Sheet		x	ICS 202 - Incident Objective	es			
	ICS 203 - Organization A	ssignment List	X	ICS 204 - Assignment List				
X	ICS 205 - Radio Commu	nications	x ICS 205a - Communications List					
x ICS 206 - Medical Plan			X	ICS 207 - Organization Cha	art			
X	ICS 208 - Site Safety Pla	n	X	Situation Status Map				
	Trajectory Maps		X	Weather Report				
ICS 20	2 - Incident Objectives			Prepared By Planning Section	n Undated 03/24	/2019 21:10 LITC 6: PD		
	NT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:56 UTC -6:00		Page 6 of 86	, opuated 05/31	© TRG		

ICS 204 - Assignmen	t List					Division	Division A
Incident Name: 2nd 80's Fi	re			Period: Per	iod 9 [04/01/2019 07	:00 - 04/03/2	019 07:00
			Operations	Personnel			
Position	Name		Affiliation	Affiliation		r(s) Work	Shift
Operations Section Chief	Jacobso	n, Jeff	ITC		713-516-6916	Day Sh	nift
Deputy Operations Section Chief	Burditt, .	John	ITC		832-240-6440	Day Sh	nift
Deputy Operations Section Chief	Cadena	, Hector	ITC		832-284-3127	Night S	Shift
Deputy Operations Section Chief	Riedel, .	James				Day Sh	nift
Deputy Operations Section Chief (USCG)	Shamilo	v, Rafael	USCG		415-786-4750	Day Sh	nift
Water Operations Branch Director	McLella	nd, Reid	ITC		281-838-7567	Day Sh	nift
Water Operations Branch Director	Young, I	Kevin	ITC		281-786-9383	Night S	Shift
Water Operations Branch Director	Carroll,	Amos	USCG		(832) 256-3265	Day Sh	nift
Water Operations Branch Director	Swanne	y, Kyle	USCG		(832) 256-7210	Night S	Shift
Division A Supervisor	Ward, T	aylor	USCG		251-300-4189	Day Sł	nift
			Resources	Required			
Area Of Operation		Resource Kin	d	Description		Quantity	Size
Division A		Boom		Boom		4200	18 inch (es)
Division A		Marco Skimme	er	Marco Skimm	ner	4	
Division A		Foilex Skimme	r	Foilex Skimmer		2	
Division A		Weir Skimmer		Weir Skimme	Weir Skimmer		
Division A		Vacuum Truck	130 bbl	Vacuum Truc	Vacuum Truck 130 bbl		
Division A		Shallow Water	Barge (SWB)	Shallow Water Barge (SWB)		2	
Division A		Support Vesse	)	Support Vessel		8	
Division A		Spill Tech		Spill Tech		94	
	A Air Monitoring		Tech	Air Monitoring Tech		6	

ICS 204 - Assignment List			Updated 03/31/2019 11:14 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:56 UTC -6:00	Page 7 of 86	© TRG

ICS 204 - Assignment List	Division: Division A
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

As directed, conduct booming and recovery operations in Division A.

Maintain diversion booms off of Shell (Site #1) and Stolthaven (Site #2), Stolthaven (Site #3), near Patrick Bayou (Site #4) Enterprise docks. Based on changing weather conditions, be prepared to adjust containment & recovery tactics as necessary.

#### - RECOVERY -

Recover pockets of oil as directed with small skimming vessels and vac trucks.

(4) Marcos, (2) Foilex Skimmers on SBS Barges, and (6) 130 bbl Vacuum Trucks will be utilized to recover spilled material (3) Weir Skimmers on Barge Boats. Recovered material will be offloaded into the Texas Responder. Use of the 30,000 bbls storage barge will be shared between Divisions A & B as directed.

During daytime operations, shallow water barges will pump off into the Texas Responder.

The Texas Responder will pump off into the 30,000 bbl support barge located at the De ZaValla Fleet as needed.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

Each team of vessels are required to have at least one (1) air monitoring technician on board at all times.

# Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director: Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER: Situation Unit - (801) 556-3369

Communications				
Name / Function	Contact Details			
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A			
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16			
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67			
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15			

#### Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

ICS 204 - Assignment List		Updated 03/31/2019 11:14 UT		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:56 UTC -6:00	Page 8 of 86	© TRG	

# ICS 204 - Assignment List Division: Division A Incident Name: 2nd 80's Fire Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

# Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone. Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com

ICS 204 - Assignment List		Updated 03/31/2019 11:14 UTC -6:00			
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:56 UTC -6:00	Page 9 of 86	© TRG		



ICS 204 - Assignmen	t List						Division:	Division B	
Incident Name: 2nd 80's F	re			Pe	riod: Period	d 9 [04/01/2019 07:0	0 - 04/03/20	19 07:00	
			Operations	Personnel					
Position	Name		Affiliation			Contact Number(	s) Work S	hift	
Operations Section Chief	Jacobso	n, Jeff	ITC			713-516-6916	Day Shi	ft	
Deputy Operations Section Chief	Burditt, .	John	ITC			832-240-6440	Day Shi	ft	
Deputy Operations Section Chief	Cadena	, Hector	ITC			832-284-3127	Night S	nift	
Deputy Operations Section Chief	Riedel, .	James					Day Shi	ft	
Deputy Operations Section Chief (USCG)	Shamilo	v, Rafael	USCG			415-786-4750	Day Shi	ft	
Water Operations Branch Director	McLella	nd, Reid	ITC			281-838-7567	Day Shi	ft	
Water Operations Branch Director	Young, I	Kevin	ITC			281-786-9383	Night S	nift	
Water Operations Branch Director	Carroll,	Amos	USCG			(832) 256-3265	Day Shi	ft	
Water Operations Branch Director	Swanne	y, Kyle	USCG		(832) 256-7210		Night S	Night Shift	
Division B Supervisor	Livingsto	on, Gregory	USCG		860-857-4997		Day Shi	ft	
Division B Supervisor	Osborne	e, Scott	ITC	903-391-4831		Day Shi	ft		
			Resources	Required					
Area Of Operation		Resource Kir	nd	Desc	cription		Quantity	Size	
Division B		Boom		Boor	n		40100	18 inch (es)	
Division B		Harbor Boom		Harb	or Boom		4500	42 inch (es)	
Division B		Offshore Boor	n	Offsh	Offshore Boom		3740	67 inch (es)	
Division B		Marco Skimm	er	Marc	o Skimmer		12		
Division B		Foilex Skimme	er	Foile	Foilex Skimmer 9		9		
Division B		Weir Skimmer	•	Weir	Weir Skimmer 4		4		
Division B		Drum Skimme	er	Que	Queensburo Skimmer 2		2		
D: · · · D		Vacuum Trucl	k 130 bbl	Vacu	Vacuum Truck 130 bbl 10		10		
Division B		Vacuum Truck	< 70 bbl	Vacu	Vacuum Truck 70 bbl		20		
Division B  Division B		Shallow Water Barge (SWB)							
		Shallow Wate	r Barge (SWB)	) Shall	ow Water E	Barge (SWB)	6	1	
Division B		Shallow Wate Storage Barge			ow Water E age Barge (		1		
Division B Division B				Stora		Inland)			
Division B Division B Division B		Storage Barge	e (Inland)	Stora Texa	age Barge (	Inland)	1		
Division B Division B Division B Division B		Storage Barge OSRV	e (Inland)	Stora Texa Supp	age Barge ( s Respond	Inland)	1		

Updated 03/31/2019 11:15 UTC -6:00

© TRG

ICS 204 - Assignment List

INCIDENT ACTION PLAN SOFTWARE  $^{\text{\tiny TM}}$ 

Printed 03/31/2019 22:57 UTC -6:00

Page 11 of 86

ICS 204 - Assignment List	Division: Division B
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

#### - RECOVERY -

In coordination with air operations, crews to conduct on water recovery operations using boom, vessels, skimmers and barges along the Ship Channel as necessary. Operations will coordinate large capacity skimming vessels as needed. 24/Hr skimming operations will be conducted by large capacity skimming vessels.

#### -San Jacinto Port-

At Site #6 utilize assigned (4) Marcos, (2) Shallow Water Barges (with (2) GT185 Skimmers), and (10) Vacuum Trucks 130 bbls.

- -Houston Fuel Oils (HFO) maintain boom
- -Tucker's Bayou-

From ITC Docks to Patrick's Bayou, conduct recovery operations utilizing (4) Marco Skimmers, (1) GT185 Skimmer, (1) Queensburo Skimmer, (2) Shallow Water Barge Systems, and (6) Support Boats. These resources will concentrate on the mouth of Tucker Bayou weather permitting. Coordinate this portion of Operations with Division E: NRC will recover product utilizing (9) foilex skimmers and (20) vacuum trucks at ITC Dock.

- -Dock 4 Dock 8 maintain boom, utilize MSRC storage barge to offload storage tanks, recover product on water.
- -Shoreline from Patrick's Bayou to Tucker's Bayou. maintain boom and recover product.
- -Battle Ship Texas SP maintain boom and recover product
- -Shoreline East of Battle Ship Texas SP to ferry maintain boom along shoreline.

Small capacity skimming vessels to utilize support vessels equipped with totes to offload product. Recovered material will be offloaded into the Texas Responder. Use of the storage barge will be shared between Divisions A & B as directed. During daytime operations, shallow water barges will pump off into the Texas Responder. The Texas Responder will pump off into the support barge located at the De ZaValla Fleet as needed.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

All teams of vessels are required to have at least one (1) air monitoring technician on board at all times.

#### Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director: Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER:

Situation Unit - (801) 556-3369

Communications				
Name / Function	Contact Details			
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A			
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16			
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67			
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15			

# Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

ICS 204 - Assignment List		Updated 03/31/2019 11:15 UTC -6:00			
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 12 of 86	© TRG		

ICS 204 - Assignment List	Division: Division B
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

#### Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

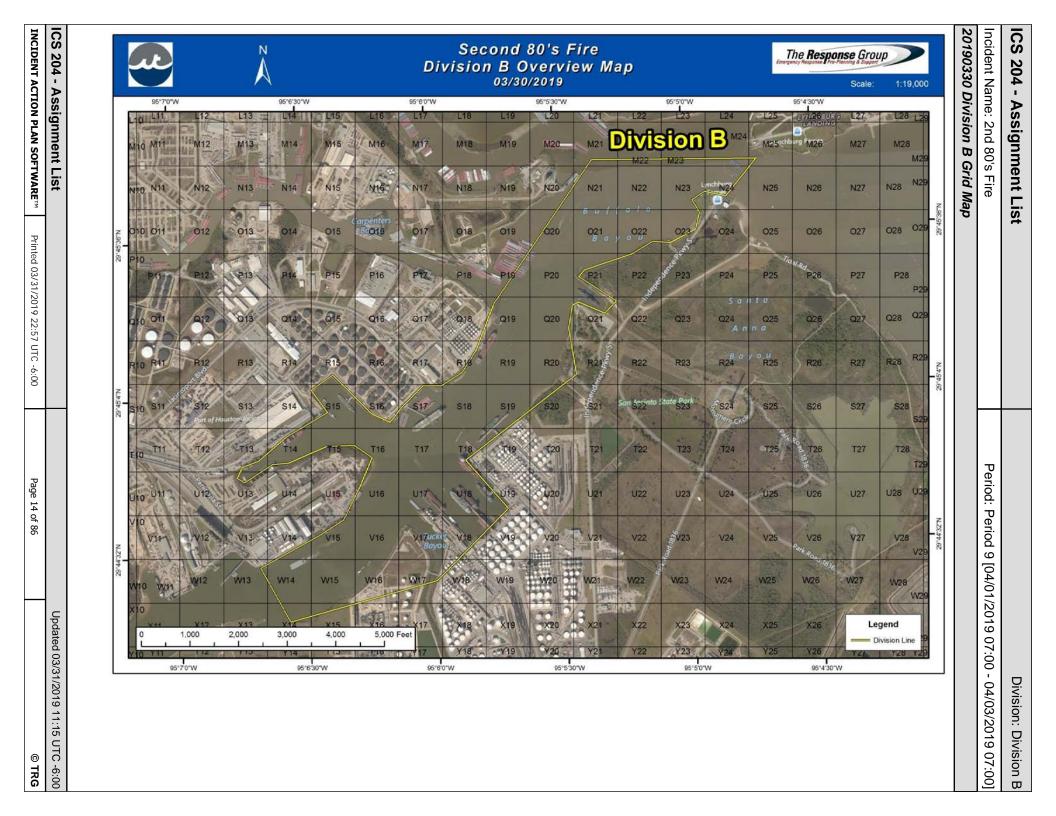
>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com or

ICS 204 - Assignment List		Updated 03/31/2019 11:15 UTC -6:00			
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 13 of 86	© TRG		



ICS 204 - Assignmen	t List					D	ivision: I	Division C
Incident Name: 2nd 80's Fi	re			Period: Pe	riod 9 [04/01/2019 07	':00 -	04/03/20	19 07:00
			Operations P	Personnel				
Position	Name		Affiliation		Contact Numbe	r(s)	Work S	hift
Operations Section Chief	Jacobso	n, Jeff	n, Jeff ITC		713-516-6916	Day Shift		ft
Deputy Operations Section Chief	Burditt, 、	John	ITC		832-240-6440		Day Shi	ft
Deputy Operations Section Chief	Cadena	, Hector	ITC		832-284-3127		Night Sh	nift
Deputy Operations Section Chief	Riedel, .	James					Day Shi	ft
Deputy Operations Section Chief (USCG)	Shamilo	v, Rafael	USCG		415-786-4750		Day Shi	ft
Water Operations Branch Director	McLella	nd, Reid	ITC		281-838-7567		Day Shi	ft
Water Operations Branch Director	Young, I	Kevin	ITC		281-786-9383		Night Shift	
Water Operations Branch Director	Carroll,	Amos	os USCG		(832) 256-3265	Day Shift		ft
Water Operations Branch Director	Swanne	y, Kyle USCG		(832) 256-7210	Night Shift Night Shift		nift	
Division C Supervisor	Kyser, C	Christopher	ristopher USCG		713-204-6978		Day Shi	ft
Division C Supervisor	Anderso	n, Byron	ITC		832-466-6646	832-466-6646		ft
			Resources F	Required	<u>.</u>			
Area Of Operation		Resource Kin	d	Description		Qu	ıantity	Size
Division C		Boom		Boom		320	600	18 inch (es)
Division C		Marco Skimme	er	Marco Skimr	ner	4		
Division C		Foilex Skimme	er	Foilex Skimn	ner	2		
Division C		Vacuum Truck	70 bbl	Vacuum True	ck 70 bbl	10		
Division C		Shallow Water	Barge (SWB)	Shallow Wat	r Barge (SWB) 2			
Division C		Storage Barge	(Inland)	Storage Barge (Inland)		1		
Division C		Support Vesse	<u> </u>	Support Vessel		7		
		Spill Tech		Spill Tech		14	1	
Division C		Air Monitoring	T	Air Monitoring Tech		26		

ICS 204 - Assignment List		Updated 03/31/2019 11:16 UTC -6:00			
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 15 of 86	© TRG		

ICS 204 - Assignment List	Division: Division C
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

#### - RECOVERY -

-Carpenter's Bayou-

Utilize assigned (4) Marcos, (1) GT185, (1) Queensburo, (2) Shallow Water Barges, (5) Support Boats, and (10) Vacuum Trucks 130 bbls. Continue sourcing tank barge for recovery storage capacity.

- -Mouth of Old River Conduct recovery operations utilizing (4) Marco Skimmers, (2) Foilex 150 Skimmers, (2) Shallow Water Barge Systems, and (7) Support Boats. These resources will concentrate on the mouth of Old River, weather permitting.
- -Cement Plant Maintain boom
- -Kirby Fleet inside Old River maintain boom
- -KSOLV Facility maintain boom
- -River Terrace Park maintain boom
- -Orion Marine Construction Facility Maintain boom

Deploy boom at I-10 bridge San Jacinto River Marsh on East bank.

Small capacity skimming vessels to utilize support vessels equipped with totes to offload product. Recovered material will be offloaded into storage barge. Use of this storage barge will be shared between Divisions C & D as directed.

Small capacity skimming vessels to utilize (10) vacuum trucks staged at Independence Parkway/ West Landing of Lynchburg Ferry and offload facility to offload recovered product.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

All teams of vessels are required to have at least one (1) air monitoring technician on board at all times.

# Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director: Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER: Situation Unit - (801) 556-3369

Communications				
Name / Function	Contact Details			
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A			
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16			
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67			
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15			

#### Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

ICS 204 - Assignment List		Updated 03/31/2019 11:16 UTC -6:00		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 16 of 86	© TRG	

ICS 204 - Assignment List	Division: Division C
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

#### Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com or

ICS 204 - Assignment List			Updated 03/31/2019 11:16 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 17 of 86	© TRG



ICS 204 - Assignment List	Division: Division [	
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]	

		Operations Personnel		
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Division D Supervisor	Myers, Janmichael	USCG	630-390-8615	Day Shift

Mesources Megarieu	Resources	Req	uire	d
--------------------	-----------	-----	------	---

Area Of Operation	Resource Kind	Description	Quantity	Size
Division D	Boom	Boom	13400	18 inch (es)
Division D	Marco Skimmer	Marco Skimmer	2	
Division D	Support Vessel	Support Vessel	2	
Division D	Barge: Inland	Clean Channel Barge	1	
Division D	Spill Tech	Spill Tech	60	
Division D	Air Monitoring Tech	Air Monitoring Tech	9	

#### - RECOVERY -

Conduct recovery operations utilizing (2) Marco Skimmers, (1) Clean Channel Barge, and (2) Support Boats. These resources will concentrate in Peggy Lake, weather permitting.

Maintain boom on west bank of San Jacinto River from Lynchberg Ferry to Bostco Facility/peggy Lake.

Maintain boom on East bank of River from Lynchberg Ferry to islands (protecting Burnet Bay) and boom between North Goat Island, South Goat Island (protecting Crystal Bay, Scott Bay)

Protection Group to deploy boom if needed and feasible to protect 54 - F Alexander Island.

Small capacity skimming vessels to utilize support vessels equipped with totes to offload product. Recovered material will be offloaded into storage barge. Use of this storage barge will be shared between Divisions C & D as directed.

Maintain deployed boom across the slip to contain spilled material near the Bostco Facility. (3/31/19 @ 11:50 Discussion)

Material collected will be managed in accordance with a Waste Management Plan.

All teams of vessels are required to have at least one (1) air monitoring technician on board at all times.

ICS 204 - Assignment List		Updated 03/31/2019 11:16 UTC -6:0	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 19 of 86	© TRG

 ICS 204 - Assignment List
 Division: Division D

 Incident Name: 2nd 80's Fire
 Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

#### Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 05:30, 10:30 & 16:30 daily.

Water Operations Branch Director: Reid McLelland (281) 838-7567

ALTERNATE PHONE NUMBER: Situation Unit - (801) 556-3369

Communications		
Name / Function	Contact Details	
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A	
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16	
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67	
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15	

# Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

#### Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com

ICS 204 - Assignment List		Updated 03/31/2019 11:16 UTC -6:0	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 20 of 86	© TRG



ICS 204 - Assignment List	Division: Division E	
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:0	
Operations Personnel		

Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Water Operations Branch Director	McLelland, Reid	ITC	281-838-7567	Day Shift
Water Operations Branch Director	Young, Kevin	ITC	281-786-9383	Night Shift
Water Operations Branch Director	Carroll, Amos	USCG	(832) 256-3265	Day Shift
Water Operations Branch Director	Swanney, Kyle	USCG	(832) 256-7210	Night Shift
Division E Supervisor	Willis, Hunter	ITC	346-233-2879	Day Shift
Division E Supervisor	Brescia, Nicolas	Environmental Protection Agency	214-789-8383	Day Shift

### Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
Division E	Boom	Boom		18 inch (es)
Division E	Vacuum Truck 70 bbl	Vacuum Truck 70 bbl	3	
Division E	Spill Tech	Spill Tech	5	

#### **Assignments**

#### -RECOVERY-

Coffer dam has been constructed on the ditch south of Tidal Rd. which leads to Tucker Bayou. Vacuum trucks will continue recover product from this location. Evaluation of options for additional Coffer dam construction will continue.

-Tucker Bayou from Tank Farm to Pipe Rack -

EPA to possibly conduct test flush along drainage ditch leading to Tuckers Bayou before the coffer dam and will collect with vacuum truck.

Material collected by vacuum trucks and skimmers will be managed in accordance with a Waste Management Plan.

#### Special Instructions

Provide amount of material recovered by division to the Water Operations Branch Director by 10:30 & 16:30 daily.

Water Operations Branch Director: Reid McLelland (281) 838-7567

# Special Equipment / Supplies Needed for Assignment

Utilize Viscous Sweep & Sorbent Boom as needed.

ICS 204 - Assignment List			Updated 03/31/2019 11:17 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 22 of 86	© TRG

ICS 204 - Assignment List	Division: Division E
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

#### Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift. If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com or

ICS 204 - Assignment List			Updated 03/31/2019 11:17 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 23 of 86	© TRG



ICS 204 - Assignmen	t List				G	Group: Protec	tion Grou		
Incident Name: 2nd 80's Fi	ire			Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00					
			Operations P	ersonnel					
Position	Name		Affiliation		Contact Number	r(s) Work S	Shift		
Operations Section Chief	Jacobso	on, Jeff	ITC			Day Sh	ift		
Deputy Operations Section Chief	Burditt, John		ITC		832-240-6440	Day Sh	ift		
Deputy Operations Section Chief	Cadena	, Hector	ITC		832-284-3127	Night S	hift		
Deputy Operations Section Chief	Riedel,	James				Day Sh	ift		
Deputy Operations Section Chief (USCG)	Shamilo	ov, Rafael	USCG		415-786-4750	Day Sh	ift		
Water Operations Branch Director	McLella	nd, Reid	ITC		281-838-7567	Day Sh	ift		
Water Operations Branch Director	Young,	Kevin	ITC		281-786-9383	Night S	hift		
Water Operations Branch Director	Carroll,	Amos	USCG	USCG		Day Sh	Day Shift		
Water Operations Branch Director	Swanne	ey, Kyle	USCG	USCG		Night S	Night Shift		
Protection Group Supervisor	Baquet,	t, Gerry ITC			281-513-5469	Day Sh	ift		
			Resources R	Required					
Area Of Operation		Resource K	lind	Description		Quantity	Size		
Protection Group		Safety Perso	onnel	Air Monitoring Specialist		9			
Protection Group		Manpower: F	Responder	Spill Tech		8			
Protection Group		Vessel		Work Boat		4			
40 - G Burnet Bay Marsh (	East)	Boom		Protection Bo	Protection Boom		inch (es)		
40 - M Baytown Nature Ce	nter	Boom		Protection Boor		1500	inch (es)		
40 - O Baytown Nature Center Boom Marsh		Protection Boom		om	1500	inch (es)			

ICS 204 - Assignment List		Prepared By Planning, Updated 03/30/2019 01:31 UTC -6:00		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 25 of 86	© TRG	

ICS 204 - Assignment List	Group: Protection Group
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

Maintain boom to protect water intakes and environmentally sensitive areas in coordination with the Protection Group Supervisor and Environmental Unit Leader.

**GRP Sites:** 

Division A:

54-B Patrick Bayou - Needs Maintenance, boom is bunched and may need to be straightened.

54-C Drainage Ditch

Division B:

40-J Carpenters Bayou

40-K Battleship

40-I Entrance to Old River

Maintain Patrick's Bayou entrance J Boom (Site #1). Maintain boom at mouth of the San Jacinto Port (Site#4), open and close as directed. Maintain and deploy additional boom as needed at Tucker's Bayou and ITC slips.

#### Division C:

40-L Entrance to San Jacinto River

40-F San Jacinto River Marsh

40-G Burnet Bay Marsh - Needs Maintenance. Boom piled on shoreline.

40 - F San Jacinto River Marsh (South I-10) - Assess Safety and feasibility of booming west side of island. Blocks AB38, AC38, and AD38)

#### Division D:

40-M Baytown Nature Center

54-D San Jacinto Battleground State Park

54-N Baytown Nature Center

TPWD-1 St. Mary's Beach

TPWD-2 South Goat Island

54-F Alexander Island - Assess Safety and feasibility of booming west side of island. Blocks AB38, AC38, and AD38)

Maintain boom at the mouth of Santa Anna Bayou. Deploy hard boom at gate of the Santa Anna Bayou. Adjust diversion boom at Bostco to angle further to the East. Contain pocket of product inside boom at Bostco. Place hard boom from Monument Inn Southeast to protect the Sandy shore.

#### Division E:

54-A Tucker Bayou

Water Intake 4053

Deploy additional GRPs as directed by the Environmental Unit in accordance with the ICS 232 Resources at Risk.

The following sites are on standby and will be deployed as directed by Environmental Unit.

55 - G Green's Bayou

53 - H Goose Creek at Business Hwy 146

53 - J Hogg Island

53 - K Barbours Cut entrance

53 - L Bayland Park Marina

53 - U Cut Between Hog & Atkinson Islands

54 - G Marsh East of DuPont Barge Dock

54 - H Lower San Jacinto Bay

54 - I Barbours Cut Turning Basin Marsh

54 - M Black Duck Bay

# Special Equipment / Supplies Needed for Assignment

Line Spools, 50 Anchors

ICS 204 - Assignment List	ent List Prepared By Planning, Updated 03/30/		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 26 of 86	© TRG

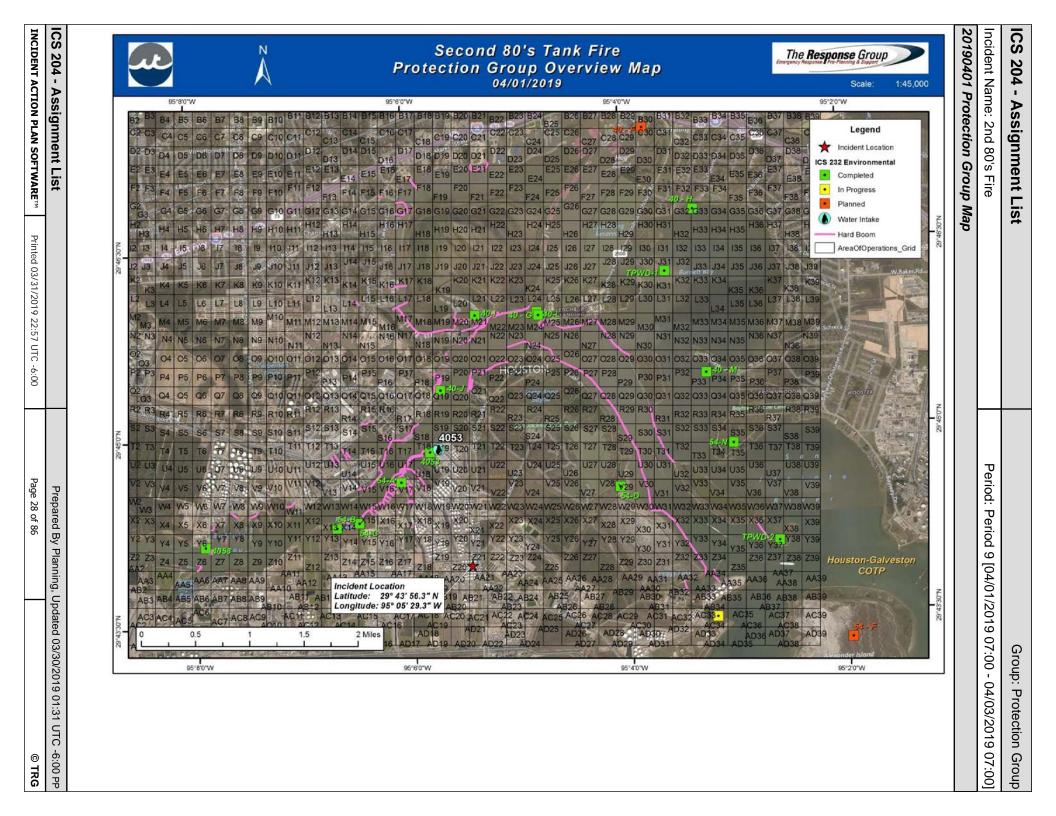
CS 204 - Assignment List	Group: Protection Group
ncident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00
Special Environme	ental Considerations
Report any oiled wildlife, or wildlife in foam to the Environmental APPROACH	Unit Lead. Please take photo, and document location - DO NOT
Avoid vessel collisions with wildlife	
Avoid walking or grounding vessels in marsh areas	
Dispose contaminated PPE, debris, and sorbent materials in app CONTAMINATED MATERIALS IN GENERAL TRASH.	proved contaminated waste containers. DO NOT DISPOSE OF
Special Site-Specific	Safety Considerations
Natch pinch points. Use proper lifting techniques and team lift worevent slips trips and falls. Maintain walking surface awareness of the waters edge, open water or onboard a vessel.	when appropriate. Maintain awareness of walking surfaces to to prevent slips, trips and falls. Don PFD's when working within
Near appropriate PPE, communicate any unsafe situations to sunurt.	upervisor. Utilize stop work authority if necessary. Nobody gets
Ensure all personnel are equipped with Benzene detection. If Bearea, report to supervisor and Mike Gaudet (281-787-8256). If a	enzene is detected at levels higher than action level, evacuate the vailable don appropriate PPE prior reentry.
CS 204 - Assignment List	Prepared By Planning, Updated 03/30/2019 01:31 UTC -6:00 P

Page 27 of 86

© TRG

INCIDENT ACTION PLAN SOFTWARE  $^{\text{\tiny{TM}}}$ 

Printed 03/31/2019 22:57 UTC -6:00



Operations Section Chief Ja Deputy Operations Bu Section Chief	ame							
Operations Section Chief Ja Deputy Operations Bu Section Chief	ame				9 [04/01/201	9 07:00 -	04/03/2019 07:0	
Operations Section Chief Ja Deputy Operations Bu Section Chief	ame			ations Personnel	0		1441 OL:64	
Deputy Operations Bu Section Chief	acobson, Jeff		Affilia:	tion	Contact Number(s) 713-516-6916		Work Shift	
Section Chief	· ·		ITC		832-240-644		Day Shift Day Shift	
Deputy Operations Ca	Barant, John				032-240-044	O .	Day Shiit	
Section Chief	Cadena, Hector		ITC		832-284-312	7	Night Shift	
Section Chief	iedel, James						Day Shift	
Deputy Operations Section Chief (USCG)	hamilov, Rafa	el	USCG		415-786-475	0	Day Shift	
On-Water Air Monitoring Lo Supervisor	opez, Christop	her	ITC		281-744-349	0	Day Shift	
On-Water Air Monitoring Sh Supervisor	hunda, Alexar	ider	USCG		609-351-715	3	Day Shift	
			Incid	dent Resources				
Area Of Operation	Resource	Kind		Description (Equip ID)	Quantity	Size	Status	
On-Water Air Monitoring Grou	up Equipment	: PPE		3M 6003/07047 Respirator Cartridge 2 pk	20 each		Assigned	
On-Water Air Monitoring Grou	roup Equipment: PPE			3M Half Face 6300/07026 Respirator	20 each		Assigned	
On-Water Air Monitoring Group Equipment: Safety				5-Gas PID Meters	7 each		Available	
On-Water Air Monitoring Grou	up Miscellane	ous		Ipads w/ESRI Collector	4 each		En route	
				Assignments				
USCG Strike Team to conduc	t air monitorin	g throug						
		T -		mmunications				
Name / Function			ct Deta					
Marine - USCG OPS / Tactica		+		G OPS 81A				
Marine - Hailing and Emergen				ng and Emergency 16				
Marine - OMI-On-water OPS / Operations/Safety/Incident Co		+		On-water OPS 67 afety/Incident Command 15				
Operations		Specia	l Fnvire	onmental Considerations				
Report any oiled wildlife, wildl NOT APPROACH.	ife in foam to				ke photo, and	documer	t location - DO	
			e areas	of operation to the Wildlife H	otline 832-368	5379. P	lease take photo	
Report any deceased fish or vand document location. DO N		rbent ma						

# ICS 204 - Assignment List Group: On-Water Air Monitoring Group Incident Name: 2nd 80's Fire Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00] Special Site-Specific Safety Considerations Follow all traffic signs, posted speeds limits and stay on paved roads. Maintain situational awareness while driving. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working close to open water or onboard a vessel.

Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

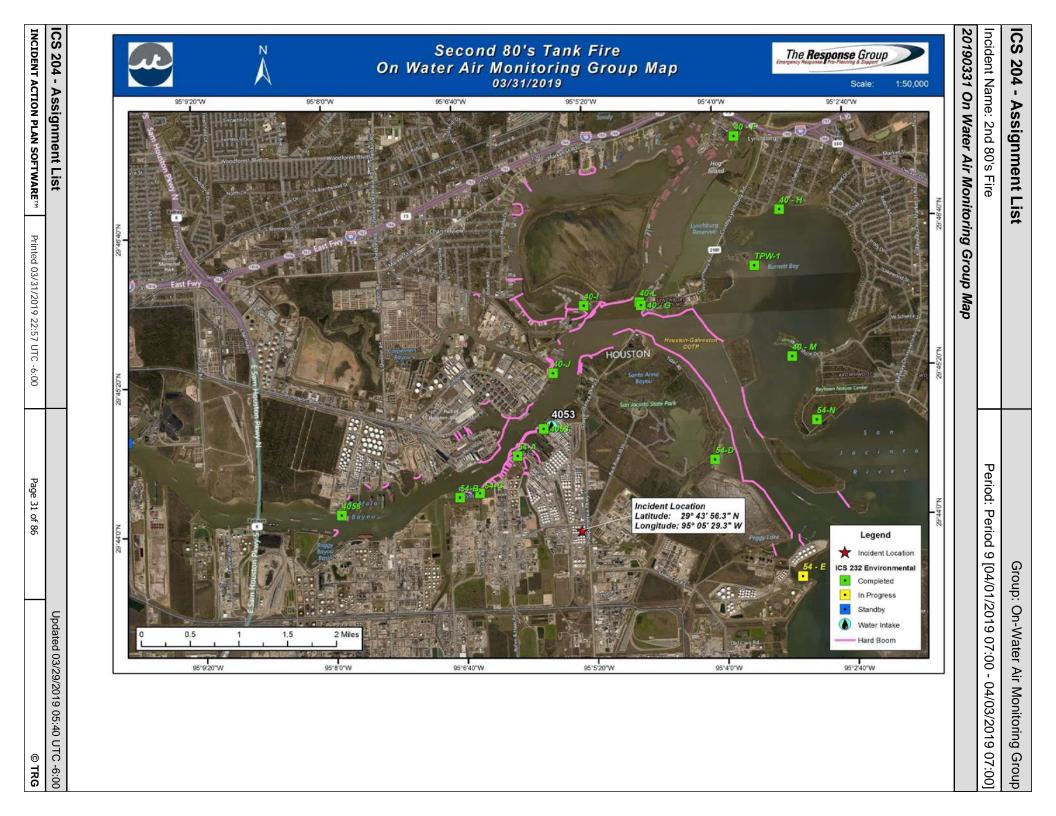
>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com

ICS 204 - Assignment List			Updated 03/29/2019 05:40 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 30 of 86	© TRG



ICS 204 - Assignmen	t List					Group:	Air Monitori	ng Grou
Incident Name: 2nd 80's F	ire				Period: Period	I 9 [04/01/2019 07:0	0 - 04/03/20	19 07:0
			Operations	Perso	onnel			
Position	Name		Affiliation			Contact Number(s	) Work S	hift
Operations Section Chief	Jacobso	n, Jeff	ITC			713-516-6916	Day Shi	ft
Deputy Operations Section Chief	Burditt, .	John	ITC			832-240-6440	Day Shi	ft
Deputy Operations Section Chief	Cadena	, Hector	ITC			832-284-3127	Night Sh	nift
Deputy Operations Section Chief	Riedel, .	James					Day Shi	ft
Deputy Operations Section Chief (USCG)	Shamilo	v, Rafael	USCG			415-786-4750	Day Shi	ft
Monitoring Branch Director	Gaudet,	Michael	ITC			(281) 787-8256	Day Shi	ft
Monitoring Branch Director	Taylor, I	Mike	ITC			(281) 667-1771	Night Sh	nift
Air Monitoring Group Supervisor	Langley	, Justin	СТЕН			281-627-2889	Day Shi	ft
Air Monitoring Group Supervisor	Allaby, E	Eric	СТЕН			(501) 529-7164	Night Sh	nift
			Resources	Requ	ired			
Area Of Operation		Resource Kin	nd		Description		Quantity	Size
Land Based Air Monitoring	Group	Equipment: Sa	afety		Air Monitoring D	evices	615	
Land Based Air Monitoring	Group	Manpower: Re	sponder		Air Monitoring T	ech	279	
Land Based Air Monitoring	Group	Aircraft: UAV			Aircraft		1	

Vehicle

Work Boat

**Boat Operator** 

227

2

Land Based Air Monitoring Group

Land Based Air Monitoring Group

Land Based Air Monitoring Group

Vehicle

Work Boat

**Boat Operator** 

ICS 204 - Assignment List			Updated 03/25/2019 18:53 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 32 of 86	© TRG

ICS 204 - Assignment List	Group: Air Monitoring Group
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

CTEH: Real time air monitoring (360 deg. 24hr) in operational areas as well as in community. (Benzene, VOCs) (34) Analytical stations samples go to lab for rush turnaround (same day or next day). See Air Monitoring Plan for details.

Air Monitoring Device Kits: 201 (3 Air Monitoring Devices per Kit)

Personnel: 238 Vehicles: 218

CTEH will work with the Division Supervisor will determine the air monitoring support level on all vessels.

EPA: (3) Roving monitoring teams conducting air monitoring. Real-time monitoring will occur via ASPECT aerial platform. TAGA bus to continue to conduct air monitoring in community areas. If there is a area of concern where TAGA can be utilized, contact EPA.

Personnel: 19 Vehicles: 1 Aircraft: 1

MSRC: (2) CTEH personnel & (1) MSRC Tech will conduct continous monitoring on the deck of the Texas Responder.

Air Monitoring Devices: 1

Personnel: 2 Vessels: 1

Hazmat Group (City of Houston, CST, Harris County Fire Marshall Office, TIFMAS): (4) (2) man teams will take readings at multiple sites around the Incident Location and will report results. If action levels are reached, Monitoring Supervisor and Harris County EOC will be notified. CST will coordinate work through Hazmat Group or Local On-Scene Coordinator.

Air Monitoring Devices: 9

Personnel: 14 Vehicles: 4

TCEQ will deploy (3) teams during day operations and (5) teams during night operations. The teams will be positioned downwind of the facility in community areas. In addition (2) air monitoring stations are strategically located in coordination with unified command.

SWS Personnel: 4

Vehicles: 3

Harris County Pollution Control: Will conduct roving monitoring along 225 and Tidal Rd to railroad tracks. Also will conduct monitoring at 225 and Miller Rd. to railroad tracks.

Air Monitoring Devices: 2

Personnel: 2 Vehicles: 1

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor.

Email: Air2@iterm.com Phone: 832-493-8041

Communications		
Name / Function	Contact Details	
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15	

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

ICS 204 - Assignment List		Updated 03/25/2019 18:53 U	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 33 of 86	© TRG

ICS 204 - Assignment List	Group: Air Monitoring Group
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

# Special Site-Specific Safety Considerations

Follow all traffic signs, posted speeds limits and stay on paved roads. Maintain situational awareness while driving. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working close to open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com

ICS 204 - Assignment List		Updated 03/25/2019 18:53	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 34 of 86	© TRG

ICS 204 - Assignment List	Group: Decon Group	
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]	

Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Mobile Decon Group Supervisor	Ruff, Zach	USCG	614-795-1689	Day Shift

# Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size
On Water Decon Group	Vessel	Barge Boat	20	
On Water Decon Group	Work Boat	Work Boat	20	
On Water Decon Group	Boat Operator	Boat Operator	32	
On Water Decon Group	Decon Personnel	Decon Personnel	105	
On Water Decon Group	Boom	Boom	9000	18 inch (es)
On Water Decon Group	Sorbent: Boom	Sorbent: Boom	9000	
On Water Decon Group	Hot Water Pressure Washer	Hot Water Pressure Washer	15	

# Assignments

Outfit, maintain, and continue to identify additional decon sites as required. Spot check teams will conduct assessment of level of contamination and direct contaminated vessels to decon site. Coordinate with MTSRU to prioritize vessels for decon. Vessel inspection team advise VTS via 21A on all ship (piloted vessels) statuses, transitting through zone and then follow-up and notify Decon Group Supervisor. Advise VTS of any tows needed decontamination. Decon operations to be conducted per the approved Decontamination Plan.

Decon Sites: Shell Deer Park

South of Lynchberg

Barbours Point / Lash docks, Enterprise dock 7 & LBC dock 4

Southwest Shipyard

ITC Pasadena

Kirby Cleaning facility (Carpenters Bayou)

\*\*Assess and work logistics for Channel Ship Yard (San Jac.) & Old River Kirby (Old River) as potential decon sites.\*\*

Vessels will be decontaminated after containment boom is deployed after lashing and securing the vessel. Sorbent material (pads & boom) will be used to recover any residual product/runoff from the decon operation.

- (6) Decon Teams will be deployed, (1) to each site, and each Decon Team will consist of:
- (1) Response Boat
- (2) Barges for washdown
- (14) Decon technicians

All waste generated during equipment decontamination will be handled in accordance with Federal, State, and Local regulations.

#### Special Instructions

USCG Decon Examiner will complete the Decontamination Form for each vessel. Turn in all completed forms to the Decon Group Supervisor at the end of each shift.

ICS 204 - Assignment List			Updated 03/29/2019 01:18 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 35 of 86	© TRG

ICS 204 - Assignment List	Group: Decon Group		
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]		
Communications			

Communications			
Name / Function	Contact Details		
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A		
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16		
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67		
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15		

# Special Equipment / Supplies Needed for Assignment

VHF Radio Camera

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

#### Special Site-Specific Safety Considerations

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than 0.5 ppm, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256) or Mike Taylor (281) 667-1771 on Night Shift.

If available don Full-Face respirator with organic cartridge prior reentry. If Benzene level reaches 25ppm or above, evacuate the area and notify Mike Gaudet. Do not reenter without donning a supplied air respirator.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com

OI

ICS 204 - Assignment List		Updated 03/29/2019 01:18	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 36 of 86	© TRG



ICS 204 - Assignment List				Task Force: Firewater Containment TI				
Incident Name: 2nd 80's F	ire				Period: Perio	d 9 [04/01/2019 07:0	00 - 04/03/20	019 07:00
			Operations	s Perso	onnel			
Position	Name		Affiliation			Contact Number(	s) Work S	Shift
Operations Section Chief	Jacobso	n, Jeff ITC				713-516-6916	Day Sh	ift
Deputy Operations Section Chief	Burditt, .	John	ITC			832-240-6440	Day Sh	ift
Deputy Operations Section Chief	Cadena	, Hector	ITC			832-284-3127	Night S	hift
Deputy Operations Section Chief	Riedel, .	James					Day Sh	ift
Deputy Operations Section Chief (USCG)	Shamilo	v, Rafael	v, Rafael USCG			415-786-4750	Day Sh	ift
Tank Farm Operations Branch Director	Holley, (	Carl	ITC			281-380-1012	Day Sh	ift
Fire Suppression Group Supervisor	Dwight,	Williams	US Fire Pump			409-273-4870	Day Sh	ift
Fire Suppression Group Supervisor	Guccion	e, Cory	y ITC			281-380-1029	Night S	hift
Fire Water Containment TF Leader	Walker,	Derek	ITC			281-515-0751	Day Sh	ift
Fire Water Containment TF Leader	Martin, 0	Gene	ITC			832-259-6587	Night S	hift
			Resources	s Requ	iired			
Area Of Operation		Resource K	ind		Description		Quantity	Size
Firewater Containment TF		Manpower: F	Responder		Manpower: Res	sponder	4	
Firewater Containment TF		Manpower: S	Supervisor		Manpower: Sup	ervisor	1	
Firewater Containment TF		Pumps			Pumps		1	
Firewater Containment TF		Vacuum Tru	ck		Vacuum Truck	um Truck		
			Assigr	nments	5			
Maintain ~2' of foam and n	nixture wi	hin the tank f	arm. Will adjust	t accord	dingly if rain sho	uld occur.		
Ensure all firewater/mix us and manifold hose to pum <sub>l</sub> reduce volume to allow tru	p water in	to tank 100-2	8. If necessary,	transfe				
Coffer dam has been cons recover any material as ne								
Other steps will be taken a	ıs needed	to execute re	emoval of mater	rial and	stabilize the site	Э.		

Communications				
Name / Function	Contact Details			
ITC Trunking System / Command	ITC Trunking System Site 1 & 2			
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15			
CIMA / Dispatch	CIMA 1			
Tactical Objectives				

#### .

Ensure all spilled material stays on site and in containment

ICS 204 - Assignment List		Updated 03/31/2019 03:58 UTC -6:00		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 38 of 86	© TRG	

ICS 204 - Assignment List	Task Force: Firewater Containment TF
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

### Special Site-Specific Safety Considerations

Keep clear of heavy equipment in operation. Watch pinch points. Utilize flagger/spotter if necessary.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor.

Email: Air2@iterm.com

or

ICS 204 - Assignment List			Updated 03/31/2019 03:58 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 39 of 86	© TRG

ICS 204 - Assignment List			Group: Tank Farm Recovery Group							
Incident Name: 2nd 80's F	ire				Period: Period	9 [04/01	/2019 07:00	04/03/20	19 07:00	
			Operations	s Perso	nnel					
Position	Name		Affiliation			Contact	t Number(s	) Work S	hift	
Operations Section Chief	Jacobso	on, Jeff	ITC			713-516-6916		Day Shift		
Deputy Operations Section Chief	Burditt,	Burditt, John		ITC		832-240-6440		Day Shi	Day Shift	
Deputy Operations Section Chief	Cadena	, Hector ITC			832		832-284-3127		nift	
Deputy Operations Section Chief	Riedel,	el, James							ft	
Deputy Operations Section Chief (USCG)	Shamilo	ov, Rafae	USCG			415-786	-4750	Day Shi	ft	
Tank Farm Operations Branch Director	Holley, (	Carl	ITC			281-380	)-1012	Day Shi	ft	
Tank Farm Recovery Group Supervisor	Thomas	, Harold	ITC			713-823	-2543	Day Shi	ft	
Tank Farm Recovery Group Supervisor	Moses,	Terry	ITC			281-389	281-389-9078		nift	
			Resource	s Requ	ired					
Area Of Operation		Resour	ce Kind		Description			Quantity	Size	
Tank Farm Recovery Grou	ıp	Pumps	nps		SS MSP-300	00		3		
Tank Farm Recovery Grou	ıp	Manpov	ver: Responder		ERT Member	1(		10		
Tank Farm Recovery Grou	ery Group Hose/Accessor		ccessories	ories Vacuum Hose		3		3		
Tank Farm Recovery Grou	•		ic Power Unit	ver Unit Hydraulic Power		er Unit 3		3		
Tank Farm Recovery Grou				Fire Engine			2	1		
<u> </u>	<u>'</u>	<u> </u>		nments						
Teams will monitor for LEL  (2) 2-man teams, (1) team entry site characterization  Drain material from 80-5, 8 be completed using a pum readiness and be staged a	deployed after dron 80-6, 80-9 p with a r	d (1) team ne assess d, and 80- manifold	n will remain on stan sment of the tank are -12 to receiving tank with stainless-steel o	ndby, do ea is co ks and p discharç	nning Level B P mpleted. iping as directed	PE/Level	Jnified Com	ımand. Pur	nping wil	
Other steps will be taken a	s needed	I to execu	ute removal of mater	rial and	stabilize the site	<del>)</del> .				
US Fire Pumps to conduct	transfer of	operation	s of tanks 80-9 and	80-12.						
Assessment will be conduct mitigated.	cted by Ta	&T before	e product transfer be	egins wi	th tanks 80-5 ar	nd 80-6, fi	rst 80's tanl	c manifold v	will be	
Tank entry will only be main tank area.	de during	daylight	hours. All entry pers	sonnel v	vill be properly d	lecontami	inated after	completion	of work	
			Commu	nicatio	ns					
Name / Function			Contact Details							
TC Trunking System / Cor	mmand		ITC Trunking Syste	m Site	1 & 2					
Operations/Safety/Incident Operations	Commar	nd /	Operations/Safety/I	ncident	Command 15					
			Tactical (	Objectiv	/es					
Ensure all spilled material	stays on	site and i	n containment							
CS 204 - Assignment Lis	st						Updated 03	/29/2019 04:3	2 UTC -6:0	
INCIDENT ACTION PLAN SOFTW	T	Printed 03/31	/2019 22:57 UTC -6:00		Page 40 of 86				© TR	
	'				. 250 .0 01 00		I			

ICS 204 - Assignment List	Group: Tank Farm Recovery Group
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

## Special Equipment / Supplies Needed for Assignment

6" Flange to 4: female cam lock

Bolts for reducers Teflon Gaskets

SCBAs

Bunker Gear

PPE - Level A Flash Suit, respirators, organic vapor cartridges, rubber boots, chem gloves, cascade systems/supplied-air systems, etc.

Radios

### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

# Special Site-Specific Safety Considerations

Continuous air monitoring will be conducted to direct use of respiratory protection for workers. PPE will include fire-resistant coveralls, chemical protective boots, chemical resistant gloves, hearing protection, eye protection, splash guards (as required), outer protective suits (as required), and respiratory protection. Respirators with organic vapor cartridges and supplied-air systems will be provided. Grounding/bonding of transfer system will be completed. Transfer operations will cease during lightning events. All personnel on-site have stop-work authority. A JSA will be completed prior to commencing transfer operations.

Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

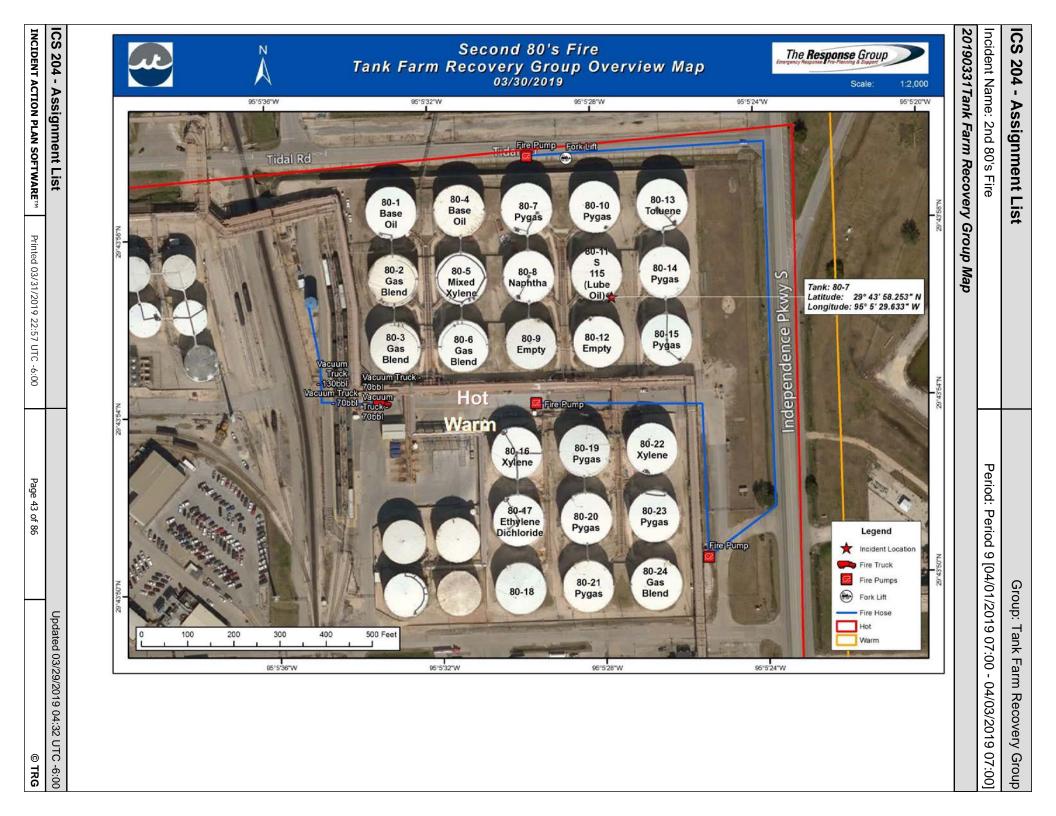
Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com

or

ICS 204 - Assignment List			Updated 03/29/2019 04:32 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 41 of 86	© TRG

ICS 204 - Assignment List		Gro	oup: Tank Farm Recovery Group
Incident Name: 2nd 80's Fire		Period: Period 9 [04/01	/2019 07:00 - 04/03/2019 07:00]
	Additional I		
Pumping Crew Trevor Reed Mario Tovar Ricky Castillo Cory Lewis Rick Francis Additional personnel as required Robbie Dison: Safety Assistant On-Site Tom Noble: Project Management / Supervision Safety Director: Cody Wilson	Additional I	nformation	
ICS 204 - Assignment List			Updated 03/29/2019 04:32 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™ Printed 03/31/2019 22:5	57 UTC -6:00	Page 42 of 86	© TRG



ICS 204 - Assignment List	Group: Water Sampling Group
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

		Operations Personne	el e	
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Monitoring Branch Director	Gaudet, Michael	ITC	(281) 787-8256	Day Shift
Monitoring Branch Director	Taylor, Mike	ITC	(281) 667-1771	Night Shift
Water Sampling Group Supervisor	Kubitz, Jody	Cardno	815-355-3938	Day Shift

Resources Req	uirea	ď
---------------	-------	---

Area Of Operation	Resource Kind	Description	Quantity	Size
Water Sampling Group	Miscellaneous	Water Sampling Kits	2	
Water Sampling Group	Manpower: Responder	Air Monitoring Tech	6	
Water Sampling Group	Vehicle	Vehicle	3	
Water Sampling Group	Work Boat	Work Boat	6	
Water Sampling Group	Boat Operator	Boat Operator	6	

#### **Assignments**

Conduct water sampling in various locations. Samples will be taken from shoreline access points and vessels as needed. All sampling results will be communicated back to Unified Command. Sampling will be conducted in accordance with each entities Sampling Plan

EPA: (1) Surface water sampling group will conduct sampling upstream of the confluence of Tucker Bayou (daily) and the Ship Channel (outside of the containment), San Jacinto State Historical Park, and the vicinity of the Lynchburg Reservoir, Juan Seguin County Park, River Terrace Park. Additional areas will be sampled when needed.

TCEQ: (3) Surface quality groups will conduct water sampling east of Channelview, as far as the eastern border of Galveston Bay and as far south as Kemah, an additional shore sampling team will be conducting sampling in Gulf side of Galveston Island and Crystal Beach in Bolivar peninsula. Harris County Pollution Control will continue to work with TCEQ regarding water sampling data.

Cardno: (2) Teams will conduct water sampling by vessel and taking a full suite of samples from Buffalo Bayou east for several miles. Reference the Foam Product & Water Sampling Plan for additional details.

ITC: Water sampling will occur at outfall 3 regularly every two hours. If outfall 3 is opened, take additional sample.

Other steps as needed to characterize the impact to water and aquatic environment.

Communications				
Name / Function	Contact Details			
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A			
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16			
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67			

ICS 204 - Assignment List		Updated 03/28/2019 13:17 UTC -6:00		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 44 of 86	© TRG	

ICS 204 - Assignment List	Group: Water Sampling Group			
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]			
O				

Communications				
s				
Operations/Safety/Incident Command / Operations/Safety/Incident Command 15 Operations				
ety/In				

#### Special Environmental Considerations

Report any oiled wildlife, wildlife in foam to the Wildlife Hotline 832-368-5379. Please take photo, and document location - DO NOT APPROACH.

Report any deceased fish or wildlife found within the areas of operation to the Wildlife Hotline 832-368 5379. Please take photo and document location. DO NOT DISPOSE.

Dispose contaminated PPE, debris, and sorbent materials in approved contaminated waste containers. DO NOT DISPOSE OF CONTAMINATED MATERIALS IN GENERAL TRASH.

# Special Site-Specific Safety Considerations

Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.

Wear appropriate PPE - no leather gloves - communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.

Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281)-787-8256 on Day Shift or Mike Taylor (281) 667-1771 on Night Shift. If available don appropriate PPE prior reentry.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com or

ICS 204 - Assignment List			Updated 03/28/2019 13:17 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 45 of 86	© TRG

 ICS 204 - Assignment List
 Branch: Wildlife Branch

 Incident Name: 2nd 80's Fire
 Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

		Operations Personnel		
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Jacobson, Jeff	ITC	713-516-6916	Day Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	832-284-3127	Night Shift
Deputy Operations Section Chief	Riedel, James			Day Shift
Deputy Operations Section Chief (USCG)	Shamilov, Rafael	USCG	415-786-4750	Day Shift
Wildlife Branch Director	Murgatroyd, Rhonda	Wildlife Response Services LLC	713-705-5897	Day Shift
Wildlife Branch Director	Biggs, Heather	Texas Parks and Wildlife	832-374-3925	Day Shift

### Resources Required

Area Of Operation	Resource Kind	Description	Quantity	Size	
Wildlife Branch	Small Boat	Small Boat	2 each	14 - 29 feet	
Wildlife Branch	Boat Operator	Boat Operator	2 each		
Wildlife Branch	Wildlife Specialist	Avian Specialist	4 each		
Wildlife Branch	Safety Personnel	Air Monitoring Tech	4 each		
Wildlife Branch	Manpower: Responder	Marine Mammal Specialist	2 each		
Wildlife Branch	Facilities	Rehab Facility	1 each		
Wildlife Branch	Wildlife Trailer	Wildlife Trailer	1 each		
Wildlife Branch	Equipment: Comms	Wildlife Hotline Phone	1 each		
Wildlife Branch	Manpower: Supervisor	Wildlife Branch Director	2 each		
Wildlife Branch	Wildlife Support Tech	Wildlife Support Tech	1 each		

## **Assignments**

(2) Wildlife Recovery Team and (1) Marine Mammal Monitoring Team will conduct boat and shoreline assessments for oiled and at-risk wildlife using standard protocols. Assess the locations, numbers, and types of potentially impacted wildlife. Field teams will immediately notify the Wildlife Branch Director of any observed oil impacts to wildlife. Coordinate any observations reported to the JIC and relay information to the Wildlife Branch Director.

Be aware of weather constraints and adjust accordingly. If weather deteriorates to an unsafe condition proceed to nearest safe harbor. Communicate changes in conditions with Branch Director. Once weather improves to a safe condition continue recovery operations.

Wildlife Hotline #: (832) 368-5379

ICS 204 - Assignment List			Updated 03/31/2019 12:21 UTC -6:00
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 46 of 86	© TRG

ICS 204 - Assignmen	t List						O	ther: SC	AT / RA
Incident Name: 2nd 80's Fire				Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00					
			Operation	ns Pers	onnel				
Position	Name		Affiliation	า		Contact Number(s)		Work SI	nift
Operations Section Chief	Jacobso	n, Jeff	ITC			713-516-6916		Day Shift	
Deputy Operations Section Chief	Burditt, .	John	ITC			832-240-6440		Day Shift	
Deputy Operations Section Chief	Cadena	, Hector	ITC			832-284-3127	I	Night Sh	ift
Deputy Operations Section Chief	Riedel,	James						Day Shif	t
Deputy Operations Section Chief (USCG)	Shamilo	v, Rafael	USCG			415-786-4750	I	Day Shif	t
Rapid Assessment Team (RAT)	Wakefie	ld, Jeff	Cardno			3023889173	I	Day Shif	t
			Resour	ces Req	uired				
Area Of Operation		Resource	Kind		Description		Quantity		Size
SCAT / RAT		Equipment	:: Safety		Air Monitoring D	Devices 4			
SCAT / RAT		Manpower	: Responder	nder Air Monitoring Tech		ech	4		
SCAT / RAT		Vehicle	Vehicle		4				
SCAT / RAT		Work Boat	t Work Boat		4				
SCAT / RAT		Boat Opera	ator	tor Boat Operator		4			
			Ass	ignment	s				
(4) Shoreline Cleanup Asso along both shorelines of the (where available) and State Cleanup Assessment Tech	e ship cha e personr	annel to ass nel. All surve	sess any environges	onmental ducted po	impacts. Teams er the Rapid Asse	will be comprised of	f Car	dno/ITC	, Feder
Name / Francisco				nunicatio	ons				
Name / Function	Camara ar		contact Details perations/Safety/Incident Command 15						
Operations/Safety/Incident Operations	Commar								
		•			onsiderations				
Report any oiled wildlife, w NOT APPROACH.	ildlife in f	oam to the \	Wildlife Hotline	832-368	-5379. Please tal	ke photo, and docur	nent	location	- DO
Report any deceased fish on and document location. DC			n the areas of	operatior	to the Wildlife H	otline 832-368 5379	). Ple	ase take	photo
Dispose contaminated PPE CONTAMINATED MATER				approved	contaminated wa	aste containers. DO	NOT	DISPO	SE OF

ICS 204 - Assignment List		Prepared By Operations, Updated 03/28/2019 21:29 UTC -6:00 P		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 47 of 86	© TRG	

No pitting/trenching shall be undertaken at the State Park without prior approval from the EU, State Park and SHPO.

ICS 204 - Assignment List	Other: SCAT / RAT
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
Special Site-Specific S	Safety Considerations
Maintain walking surface awareness to prevent slips, trips and falwater or onboard a vessel.	lls. Don PFD's when working within 3 ft of the waters edge, open
Wear appropriate PPE, communicate any unsafe situations to su hurt.	pervisor. Utilize stop work authority if necessary. Nobody gets
Ensure all personnel are equipped with Benzene detection. If Ber area, report to supervisor and Mike Gaudet (281-787-8256).	nzene is detected at levels higher than action level, evacuate the

All equipment and personnel must be decontaminated prior to leaving the hot zone.

Action Levels for Benzene:

>0.5 ppm - Don full face APR

>25 ppm - Supplied air; must change APR cartriges to prevent breakthrough every 4 hours.

Report any LEL detection (delineate area).

Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor. Email: Air2@iterm.com

ICS 204 - Assignment List		Prepared By Operations, Updated 03/28/2019 21:29 UTC -6:00 F				
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 48 of 86	© TRG			





ICS 204 - Assignmen	t List				G	roup: Secur	ity Group
Incident Name: 2nd 80's Fi				Period: Period	d 9 [04/01/2019 07:00	0 - 04/03/20	19 07:00]
		Operation	ons Pers		<u> </u>		
Position	Name	Affiliatio	n		Contact Number(s	) Work Si	hift
Operations Section Chief	Jacobson, Jeff	ITC			713-516-6916	Day Shif	t
Deputy Operations Section Chief	Burditt, John	ITC			832-240-6440	Day Shif	t
Deputy Operations Section Chief	Cadena, Hecto	r ITC			832-284-3127	Night Sh	ift
Deputy Operations Section Chief	Riedel, James					Day Shif	t
Deputy Operations Section Chief (USCG)	Shamilov, Rafa	el USCG			415-786-4750	Day Shif	t
Security Group Supervisor							
Security Group Supervisor							
		Resour	rces Req	uired			
Area Of Operation	Reso	urce Kind		Description		Quantity	Size
		Ass	signmen	ts			<u> </u>
Law Enforcement/Security	to maintain esta	blished traffic cont	rol for all	operational areas	and incident comma	and location	s.
	S	pecial Site-Special	fic Safet	y Considerations			
Wear appropriate PPE, esp necessary. Nobody gets hu Ensure all personnel are ed area, report to supervisor a available don appropriate F If contamination is present, Any monitoring data that ex or	urt. quipped with Be and Mike Gaude PPE prior reentry all equipment a	nzene detection. If t (281)-787-8256 o /. nd personnel mus	Benzene n Day Sl	e is detected at lev hift or Mike Taylor ontaminated prior t	vels higher than actic (281) 667-1771 on N	on level, eva Night Shift. If	cuate the
Phone: 832-493-8041				Monitoring Superv	risor. Email: Air2@ite	erm.com	
				Monitoring Superv	risor. Email: Air2@ite	erm.com	
	t				risor. Email: Air2@ite		ГС -6:00 PP



)5 - Radio	Communication	าร						Version Name: Radio Comms
Name: 2nd	80's Fire					Pe	eriod: Period	9 [04/01/2019 07:00 - 04/03/2019 07:00]
			Radio	Channel Info	ormation			
Function Tactical	ITC - Fuel & Fork	Assignment	Rx Freq N or W	Rx Tone/NAC	Tx Freq N or W	Tx Tone/NAC	Mode (A, D, or M)	Remarks
Tactical	ITC - Environmental							
Tactical	ITC - Special Services							
Tactical	Marine - USCG OPS		157.0250	None	Simplex		А	
Tactical	Marine - RAT (Rapid Assessment Teams)		157.0500	None	Simplex		А	
All	Marine - Hailing and Emergency		156.8000	None	Simplex		А	
Tactical	Marine - OMI-On- water OPS		156.3750	None	Simplex		Α	
Command	ITC Trunking System	ICP - ITC (Admin Building)	Encrypted				D	
Operations	Operations/Safety/I ncident Command							
Dispatch	CIMA							
Tactical	East/South - CIMA							
Tactical								
Tactical	Supply) - CIMA							
Tactical	Safety (IH) - CIMA							
			Specia	al Radio Inst	ructions			
i - Radio Co	mmunications					F	Prepared By F	OB, Updated 03/31/2019 19:59 UTC -6:00 PP
		Printed 03/31/20	19 22:57 UTC -6:00		Page 53 o			© TRG
	Function Tactical Tactical Tactical Tactical All Tactical Command Operations Dispatch Tactical Tactical Tactical Tactical Tactical Tactical Tactical Tactical Tactical	Function  Function  Channel Name/ Trunked Radio System Talkgroup  Tactical  Marine - USCG OPS  Tactical  Marine - RAT (Rapid Assessment Teams)  All  Marine - Hailing and Emergency  Tactical  Marine - OMI-Onwater OPS  Command  ITC Trunking System  Operations  Operations/Safety/Incident Command  Dispatch  CIMA  Tactical  Tactical  North Div - CIMA  Tactical  West Div (Water Supply) - CIMA	Function  Channel Name/ Trunked Radio System Talkgroup  Tactical  ITC - Fuel & Fork Lift  Tactical  ITC - Special Services  Tactical  Marine - USCG OPS  Tactical  Marine - RAT (Rapid Assessment Teams)  All  Marine - Hailing and Emergency  Tactical  Marine - OMI-Onwater OPS  Command  ITC Trunking System  Operations  Operations  Operations/Safety/Incident Command  Dispatch  Tactical  East/South - CIMA  Tactical  North Div - CIMA  Tactical  Safety (IH) - CIMA	Radio  Channel Name/ Trunked Radio System Talkgroup Tactical ITC - Fuel & Fork Lift  Tactical ITC - Special Services Tactical Marine - USCG OPS  Tactical Marine - Hailing and Emergency Tactical Marine - OMI-Onwater OPS  Command ITC Trunking System Operations/Safety/I ncident Command Dispatch CIMA Tactical North Div - CIMA Tactical Safety (IH) - CIMA Tactical Safety (IH) - CIMA  Tactical Square Assignment  Rx Freq Rx Freq N or W  Radio Chamber Rx Freq N or W  Rx Freq Rx Pations Rx Pations Rx Freq Rx Pations Rx Pations Rx	Radio Channel Info  Channel Name/ Trunked Radio System Talkgroup Tactical Marine - RAT (Rapid Assessment Teams) All Marine - Hailing and Emergency Tactical Marine - ONI-On- water OPS  Command Tactical	Name: 2nd 80's Fire   Radio Channel Information	Name: 2nd 80's Fire	Name: 2nd 80's Fire

Incident Name: 2nd 8	30's Fire			Perio	d: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00
		Local	Communications		
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
Jacobson, Jeff	Operations Section Chief	713-516-6916			ITC
Burditt, John	Deputy Operations Section Chief	832-240-6440			ITC
Riedel, Jim	Deputy Operations Section Chief	206-500-6480			NRC
Young, Kevin	Water Operations Branch - NIGHT	281-786-9383			ITC
McLelland, Reid	Water Operations Branch	281-838-7567			ITC
Shamilov, Rafael	Water Operations Branch	415-786-4750			USCG
Ward, Taylor	Division A Supervisor	251-300-4189			USCG
Livingston, Gregory	Division B Supervisor	860-857-4997			USCG
Osborne, Scott	Division B Supervisor	903-391-4831			ITC
Anderson, Byron	Division C Supervisor	832-466-6646			ITC
Myers, Janmichael	Division D Supervisor	630-390-8615			USCG
Babin, Everette	Division Supervisor	337-412-4348			AMPOL
Bourque, Delven	Division Supervisor	337-519-6219			AMPOL
Dalfrey, Chad	Division Supervisor	337-519-1161			AMPOL
Donnelly, Rowdy	Division Supervisor	504-259-2655			AMPOL
Guillot, Fred	Division Supervisor	337-551-2467			AMPOL
Goins, Derek	Division Supervisor	504 982 5046			AMPOL
Landry, Ashton	Division Supervisor	337-339-1777			AMPOL
Cochrane, Walter	Division Supervisor	504-450-6601			AMPOL
Debrum, Nicholas	Air Monitoring (Water)	774-766-8695			USCG
Ruff, Zach	Mobile Decon Group	614-795-1689			USCG
Pounds, Kenneth	Assistant Safety Officer	2513661450			USCG
Larson, Alan	Assistant Safety Officer	786-973-1225			USCG
Gaudet, Michael	Monitoring Branch	281-787-8256			ITC
Nunez, Alex	TX Fish and Wildlife	361-658-3181			TF&W
Rodriguez, Antonio	NRC Contact	281-796-6881			NRC
Segura, Tyler	OMI Contact	409-299-0472			ОМІ
ICS 205a - Commun	ications List			Prepared By W	/ater Operations Branch, Updated 03/29/2019 23:04

ICS 205a - Commu	ınications List				Version Name: Water Operations Branch
Incident Name: 2nd	80's Fire			Per	iod: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]
		Local	Communications	Information	
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
Sedlack, Tracy	MSRC Contact	713-471-2680			MSRC
Nathan	Kirby	713-725-7860			Kirby
Kubitz, Jody	Water Sampling Group	815-355-3938			Cardno
Wildlife Hotline	Wildlife Hotline	832-368-5379			

ICS 205a - Communications List		Prepared By Water Op	erations Branch, Updated 03/29/2019 23:04 PP
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 55 of 86	© TRG

ICS 206 - Medical Plan					Version Name: Division A On Water Operations							
Incident Name: 2nd 80's	Fire			Р	eriod: Pe	erio	d 9 [04/01	/201	9 07:00 - (	04/0	3/2019	07:00]
			Medica	I Aid Stations	;							
Name		Locatio					aramedic On Site	Pho	ne		Ra	ndio
Staging Area - OMI River			154 29.78214			<u> </u>	x					
	Tı	<del></del>	tation (Ground a	and/or Air Am	T	Se	ervices)		1			
Ambulance Service		Location			Phone	4 /	(004) 456		Radio	)	Air	ALS
Channel View Fire Dept		-95.11	hannel View, TX 95.11465 29.77606		Ph1: 911 / (281) 452- 5782							
Acadian Ambulance Staging Area - OMI River		-95.10	104 29.78206		Ph1: (40	)9)	833-3800	)				
	1		H	ospitals			•					
l loopital	Location		Dhana	Dodio	Air Trave	el	Groun		Trauma	,,,	linad	Burn
Hospital Houston Healthcare	Location 4000 Sper	ocor.	Phone 713-359-1440	Radio	Time 15 min		Travel T		Center III	-	lipad	Center
Southeast	Hwy Pasadena 77504 -95.18378 29.66124	, TX							""	2		
UТМВ	3737 Red #150 Pasadena 77503 -95.15567 29.68583		409-772-2002		15 min	1	15 mi	15 min		X		x
Houston Healthcare Clear Lake	500 W. Me Center Blv Webster, 7 77598 Webster, 7 77598 -95.12773 29.5413	d, TX	281-338-3708		15 min	1	30 mi	n	II	2		
Houston Methodist Baytown	4401 Gartl Baytown, 77521 -94.9796 29.76916		281-420-8851 281-420-8600		15 min	n	30 mi	n		2	C	
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vis Pasadena 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min	1	15 mi	n	II			
Advanced Diagnostic Hospital East	12950 Eas Freeway S Houston, 7 77015 -95.20044 29.77054	te.100	903-240-5893		15 min	1	15 mi	n				
ICS 206 - Medical Plan					Prepare	d By	y Planning,	Update	ed 03/25/201	9 18:	59 UTC	-6:00 PP
INCIDENT ACTION PLAN SOFTV	<b>VARE</b> ™ Pr	inted 03/31	/2019 22:57 UTC -6:00		Page 56 of	86						© TRG

CS 206 - Medical Plan		Version Name:	Division A On Water Ope	rations
ncident Name: 2nd 80's Fire		Period: Period 9 [04/01	/2019 07:00 - 04/03/2019	07:00]
	Special Medical Em	ergency Procedures		
Deliver First Aid if trained in accor	dance with your training.			
1. Acadian Ambulance staged 01 16550 Market Street Channelview		ance at Staging Area - OMI River	r; Address - River Terrace	Park
2. Call Acadian Ambulance Dispa	tch at (409) 833-3800 to nofify	Ambulance of incoming medical	or trauma case	
Conduct immediate notifications t Critical Threshold Reporting Crite		Officer via Chain of Command pe	er ICS 202b Unified Comm	and
njury or Deathv				
OSHA/Greater than 1st Aid thr	ough Safety Officer			
SDS available and copies made t	o send with ambulance.			
Deconitamination must take place	e prior to transport.			
Helipad/air operations will take pla	ace on Independence Road imr	mediately across from CIMA Inci	dent Command Post.	
CS 206 - Medical Plan		Dronared Dy Dlanning	Updated 03/25/2019 18:59 UTC	-6:00 Pr
CO 200 - IVICUICAI FIAII		Fiepaieu by Fianilling, t	T	© TRG

	Version Name: Division B On Water Operations									
Incident Name: 2nd 80's	Fire				Period: Pe	riod 9 [04/0	1/201	9 07:00 - 0	04/03/201	9 07:00]
			Medica	I Aid Statio	ons					
Name		Locatio				Paramedio On Site	Pho	ne	R	adio
Staging Area - OMI River			154 29.78214	and/ar Air	1 mbulanaa	X Sorvings)	<u> </u>			
Ambulance Service	Ira	Locatio	tation (Ground a	and/or Air /	Phone	Services)		Radio	Air	1 4/ 6
Acadian Ambulance Disp	atch Center				Ph1: (409) 833-3800			Radio	AII	ALS
Acadian Ambulance Supe			154 29.78214		`	Ph1: (832) 210-4279				x
7 toadian 7 tinodianos Cap	0111001 110	00.10		lospitals	1 (00	2,210 121		<u> </u>		
					Air Trave	el Groui	24	Trauma	Ι	Burn
Hospital	Location		Phone	Radio	Time	Travel		Center	Helipad	Center
Houston Healthcare Southeast	4000 Spend Hwy Pasadena, 77504 -95.18378 29.66124		713-359-1440		15 min	15 m	in	III	x	
UTMB	3737 Red B #150 Pasadena, 77503 -95.15567 29.68583		409-772-2002		15 min	15 m	in	I	x	x
Houston Healthcare Clear Lake	500 W. Med Center Blvd Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	, <b>K</b>	281-338-3708		15 min	30 m	in	II	X	
Houston Methodist Baytown	4401 Garth Baytown, T2 77521 -94.9796 29.76916		281-420-8851 281-420-8600		15 min	30 m	in		x	
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vist Pasadena, 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min	15 m	in	II		
Advanced Diagnostic Hospital East	12950 East Freeway St Houston, TX 77015 -95.20044 29.77054	e.100	903-240-5893		15 min	15 m	in			
ICS 206 - Medical Plan INCIDENT ACTION PLAN SOFTY	T		/2019 22:57 UTC -6:00		Prepared Page 58 of	d By Planning,	Updat	ed 03/25/201	9 16:49 UT(	C -6:00 PP

CS 206 - Medical Plan		Version Name:	Division B On Water Ope	rations
ncident Name: 2nd 80's Fire		Period: Period 9 [04/01	/2019 07:00 - 04/03/2019	07:00]
	Special Medical Em	ergency Procedures		
Deliver First Aid if trained in accor	dance with your training.			
Acadian Ambulance staged 01     6550 Market Street Channelview		nce at Staging Area - OMI River	; Address - River Terrace	Park
2. Call Acadian Ambulance Dispa	tch at (409) 833-3800 to nofify	Ambulance of incoming medical	or trauma case	
Conduct immediate notifications the Critical Threshold Reporting Crite		Officer via Chain of Command pe	r ICS 202b Unified Comm	and
njury or Deathv				
OSHA/Greater than 1st Aid thr	ough Safety Officer			
SDS available and copies made to	o send with ambulance.			
Deconitamination must take place	prior to transport.			
Helipad/air operations will take pla	ace on Independence Road imr	nediately across from CIMA Inci	dent Command Post.	
CS 206 - Medical Plan		Prepared Ry Planning	Jpdated 03/25/2019 16:49 UTC	-6:00 Pi
INCIDENT ACTION PLAN SOFTWARE	Printed 03/31/2019 22:57 UTC -6:00	Page 59 of 86		© TRG

	Version Name: Division C On Water Operations									
Incident Name: 2nd 80's	Fire				Period: Pe	riod 9 [04/0	1/201	9 07:00 - 0	04/03/201	9 07:00]
			Medica	I Aid Statio	ons					
Name		Locatio				Paramedic On Site	Pho	ne	R	adio
Staging Area - OMI River			154 29.78214	1/ A'	A 1	X	<u> </u>			
And Inch Contin	Ira	-	tation (Ground a	ana/or Air i	-	Services)		D. r.	1 4:	1440
Ambulance Service Acadian Ambulance Disp	atch Contor	Locatio			Phone Ph1: (409) 833-3		Radio		Air	ALS
Acadian Ambulance Supe						Ph1: (832) 210-4279				x
7 toddiai 7 tillbalarioo Cap	0111001 110	00.10		ospitals	11111. (00	2) 210 127		<u> </u>		
					Air Trave	el Grour		Trauma		Burn
Hospital	Location		Phone	Radio	Time	Travel		Center	Helipad	Center
Houston Healthcare Southeast	4000 Spend Hwy Pasadena, 77504 -95.18378 29.66124		713-359-1440		15 min	15 m	in	III	x	
UTMB	3737 Red B #150 Pasadena, 77503 -95.15567 29.68583		409-772-2002		15 min	15 m	in	I	x	x
Houston Healthcare Clear Lake	500 W. Med Center Blvd Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	, <b>K</b>	281-338-3708		15 min	30 m	in	II	X	
Houston Methodist Baytown	4401 Garth Baytown, T2 77521 -94.9796 29.76916		281-420-8851 281-420-8600		15 min	30 m	in		x	
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vist Pasadena, 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min	15 m	in	II		
Advanced Diagnostic Hospital East	12950 East Freeway St Houston, TX 77015 -95.20044 29.77054	e.100	903-240-5893		15 min	15 m	in			
ICS 206 - Medical Plan INCIDENT ACTION PLAN SOFTY	T		/2019 22:57 UTC -6:00		Prepared Page 60 of	d By Planning,	Updat	ed 03/25/201	9 16:50 UT(	C -6:00 PP

ICS 206 - Medical Plan		Version Name:	Division C On Water Ope	rations
ncident Name: 2nd 80's Fire		Period: Period 9 [04/01	/2019 07:00 - 04/03/2019	07:00]
	Special Medical Em	ergency Procedures		
Deliver First Aid if trained in acco	ordance with your training.			
1. Acadian Ambulance staged 0 16550 Market Street Channelvie	1 Advanced Life Support Ambula ew, TX 77530	ance at Staging Area - OMI Rive	r; Address - River Terrace	Park
2. Call Acadian Ambulance Disp	eatch at (409) 833-3800 to nofify	Ambulance of incoming medical	or trauma case	
Conduct immediate notifications Critical Threshold Reporting Crit	through supervisor and Safety Ceria for:	Officer via Chain of Command pe	er ICS 202b Unified Comm	and
njury or Deathv				
OSHA/Greater than 1st Aid th	nrough Safety Officer			
SDS available and copies made	to send with ambulance.			
Deconitamination must take plac	ce prior to transport.			
Helipad/air operations will take p	place on Independence Road imr	mediately across from CIMA Inci	dent Command Post.	
CS 206 - Medical Plan		Prenared Ry Planning	Updated 03/25/2019 16:50 UTC	-6:00 pr
NCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 61 of 86	10.30 010	© TRG
			1	

ICS 206 - Medical Plan					Version Name: Division D On Water Operations								
Incident Name: 2nd 80's		Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]											
			Medica	I Aid Statio	ons								
Name			Paramedic On Site Phone				Radio						
Staging Area - OMI River			154 29.78214		A ( (	X	<u> </u>						
Ant to an One in	Ira	-	•	ana/or Air A	nd/or Air Ambulance Services)								
Ambulance Service Acadian Ambulance Disp	atch Contor	Locatio			Phone	9) 833-380	<u> </u>	Radio	Air	ALS			
Acadian Ambulance Sup			154 29.78214		`	32) 210-427				x			
7 toddiair 7 tribaidinos Sup	0111001 170	00.10		ospitals	11111 (00	2) 210 121							
				1	Air Trave	el Groui		Trauma		Burn			
Hospital	Location		Phone	Radio	Time	Travel		Center	Helipad	Center			
Houston Healthcare Southeast	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124		713-359-1440		15 min	15 m	in	III	x				
UTMB	3737 Red Bluff Rd #150 Pasadena, TX 77503 -95.15567 29.68583		409-772-2002		15 min	15 m	15 min		x	x			
Houston Healthcare Clear Lake	500 W. Medical Center Blvd, Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413		281-338-3708		15 min	30 m	30 min		X				
Houston Methodist Baytown	4401 Garth Road Baytown, TX 77521 -94.9796		4401 Garth Road Baytown, TX 77521		281-420-8851 281-420-8600		15 min	30 m	in		x		
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min	15 m	in	II					
Advanced Diagnostic Hospital East	12950 East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054		903-240-5893		15 min	15 m	15 min						
ICS 206 - Medical Plan INCIDENT ACTION PLAN SOFTY	T		/2019 22:57 UTC -6:00		Prepared Page 62 of	d By Planning,	Updat	ed 03/25/201	9 16:51 UT(	C -6:00 PP			

ICS 206 - Medical Plan		Version Name:	Division D On Water Ope	rations
Incident Name: 2nd 80's Fire		Period: Period 9 [04/01	/2019 07:00 - 04/03/2019	07:00]
	Special Medical Em	ergency Procedures		
Deliver First Aid if trained in acco	ordance with your training.			
1. Acadian Ambulance staged 0 16550 Market Street Channelvie	1 Advanced Life Support Ambula w, TX 77530	ance at Staging Area - OMI Rive	r; Address - River Terrace	Park
2. Call Acadian Ambulance Disp	atch at (409) 833-3800 to nofify	Ambulance of incoming medical	or trauma case	
Conduct immediate notifications Critical Threshold Reporting Crit	through supervisor and Safety C eria for:	Officer via Chain of Command pe	er ICS 202b Unified Comm	and
njury or Deathv				
OSHA/Greater than 1st Aid th	rough Safety Officer			
SDS available and copies made	to send with ambulance.			
Deconitamination must take plac	ce prior to transport.			
Helipad/air operations will take p	lace on Independence Road imr	mediately across from CIMA Inci	dent Command Post.	
CS 206 - Medical Plan		Prenared Ry Planning	Updated 03/25/2019 16:51 UTC	-6:00 PI
NCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 63 of 86	10.01 010	© TRG
			•	

ICS 206 - Medical Plan		Version Name: Tank Farm Operations									
Incident Name: 2nd 80's	F	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]									
			Medical	Aid Stations	S	•					
Name		Paramedic On Site			Phone Radio						
Safety Training Building		-95.09	605 29.73362								C andown utton
	7	Transport	tation (Ground a	nd/or Air An	nbulance	Ser	rvices)				
Ambulance Service		Location	on		Phone				Radio	Air	ALS
Deer Park Volunteer Fire Department	!	Deer F	Park, TX		Ph1: (28	31) 4	176-1511				
Бораннон			Н	ospitals							
					Air Trav	el	Groun	d	Trauma		Burn
Hospital	Location		Phone	Radio	Time	<i>.</i>	Travel T		Center	Helipad	
CHI St. Luke's Patients Medical Center	4600 Eas Houston South Pasaden 77505 -95.1622 29.64113	Parkway a, TX 7	713-378-8994 281-487-0700						II		
HCA-Bayshore Medical Center	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124		713-359-1060 713-359-1000						II		
Altus Baytown Hospital	1626 W Baker Rd Baytown, TX 77521 -94.98169 29.77128									x	
	·	S	pecial Medical E	mergency P	rocedure	es					
Deliver First Aid if trained Address is 2621 ITC Tida Conduct immediate notifi Critical Threshold Report	al Road Ha	arris Coun	ty, Texas.	y Officer via (	Chain of C	Com	mand pe	er ICS	S 202b Uni	ified Com	mand
Injury or Death											
OSHA/Greater than 1s	st Aid throu	ugh Safety	/ Officer								
SDS available and copies	s made to	send with	ambulance.								
Deconitamination must ta	ake place p	prior to tra	nsport.								
Helipad/air operations wi	ll take plac	ce on Inde	pendence Road	immediately a	cross fro	m C	IMA Inci	dent	Command	l Post.	
ICS 206 - Medical Plan					Prepare	d By	Planning,	Updat	ed 03/25/201	9 18:30 UT	C -6:00 PP
INCIDENT ACTION PLAN SOFT		Page 64 of 86 © TI						© TRG			

ICS 206 - Medical Plan		Version Name: Command Pos										
Incident Name: 2nd 80's	Р	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]										
			Medica	l Aid Stations	;							
Name	on	Pa				Pho	one			adio		
ICP (ITC 1030 Ethyl Roa Pasadena, TX)	d,	-95.16	233 29.72359					Ph1	: 83278067	700		
Deer Park Training Build	ing	-95.09	602 29.73354						1: 281-380-1012 Holley)			
	Tra	ansport	tation (Ground a	and/or Air Am	bulance	Se	rvices)					
Ambulance Service		Location	on		Phone				Radio	,	Air	ALS
Pasadena Volunteer Fire Department	)	Pasad	naw Ave. ena, TX 77506 231 29.71332		Ph1: (28	Ph1: (281) 457-6360						
			Н	ospitals								
Hospital	Location		Phone	Radio	Air Trave Time	el	Ground Travel Time		Trauma Center	Helij	oad	Burn Center
Houston Healthcare Southeast	4000 Spend Hwy Pasadena, 77504 -95.18378 29.66124		713-359-1440		15 min	1	15 min		≡	III X		
UТМВ	3737 Red E #150 Pasadena, 77503 -95.15567 29.68583		409-772-2002		15 min	15 mir		n I		x		x
Houston Healthcare Clear Lake	500 W. Med Center Blvd Webster, T. 77598 Webster, T. 77598 -95.12773 29.5413	l, X	281-338-3708		15 min	n 30 min		n	=	x		
Houston Methodist Baytown	4401 Garth Ros Baytown, TX 77521 -94.9796 29.76916		281-420-8851 281-420-8600		15 min	1	30 mi	n		x		
Surgery Specialty Hospital of America- Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913		713-378-2068 713-378-3000		15 min		15 min		=			
Advanced Diagnostic Hospital East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054		e.100	903-240-5893		15 min	1	15 mi	n				
ICS 206 - Medical Plan					Prepare	d Bv	/ Planning.	Updat	ed 03/25/201	9 18:4	4 UTC	:-6:00 PP
INCIDENT ACTION PLAN SOFT		Prepared By Planning, Updated 03/25/2019 18:44 UTC -6:00 PF  Page 65 of 86 © TRG										

ICS 206 - Medical Plan	Version Name: Command Post
Incident Name: 2nd 80's Fire	Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]

## Special Medical Emergency Procedures

SDS available and copies made to send with ambulance.

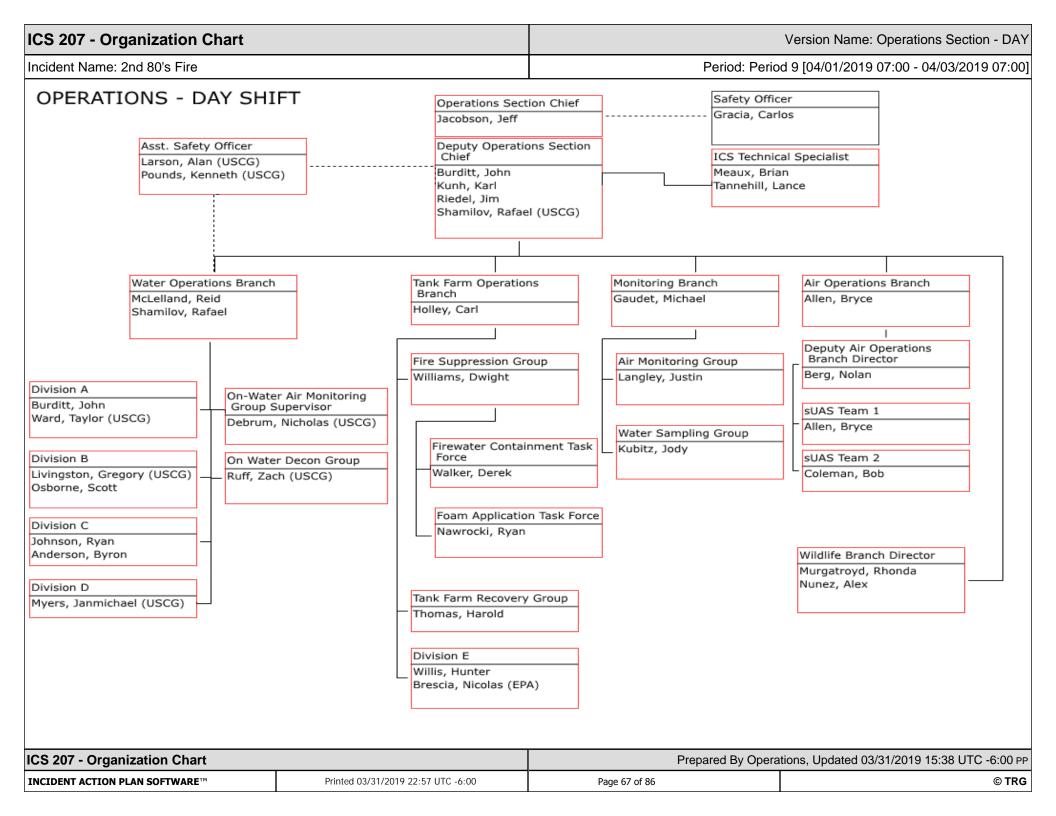
Decontamination must take place prior to transport.

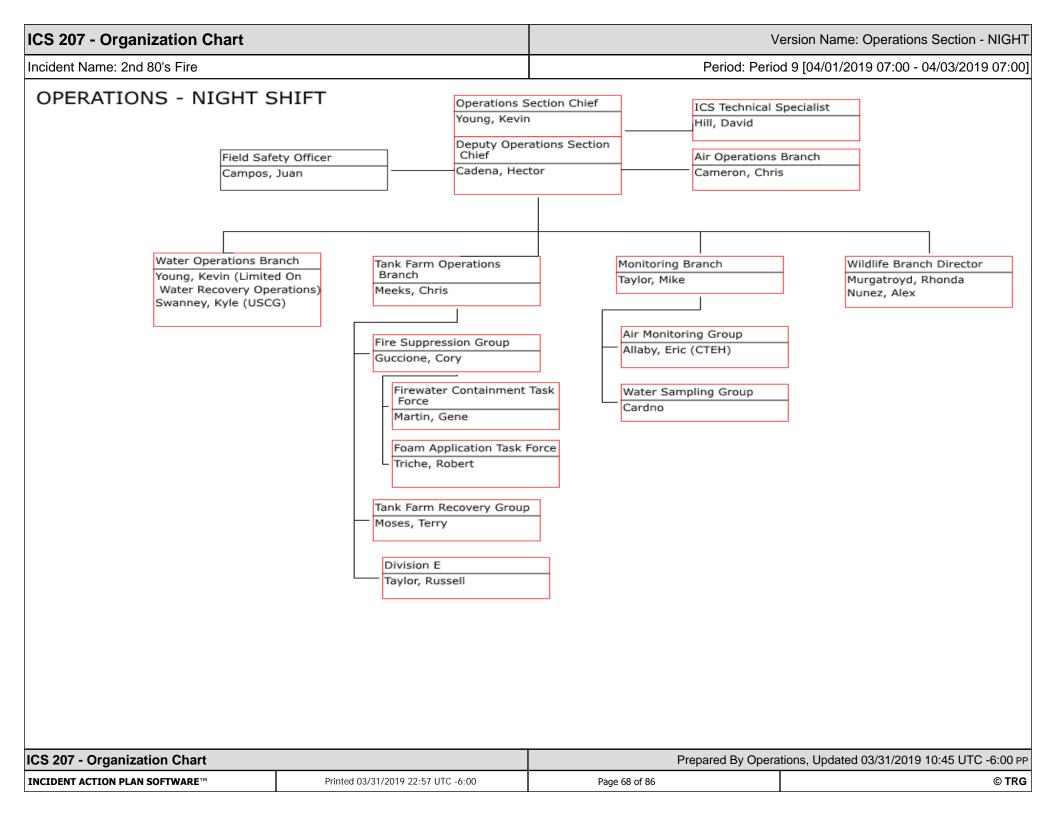
Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.

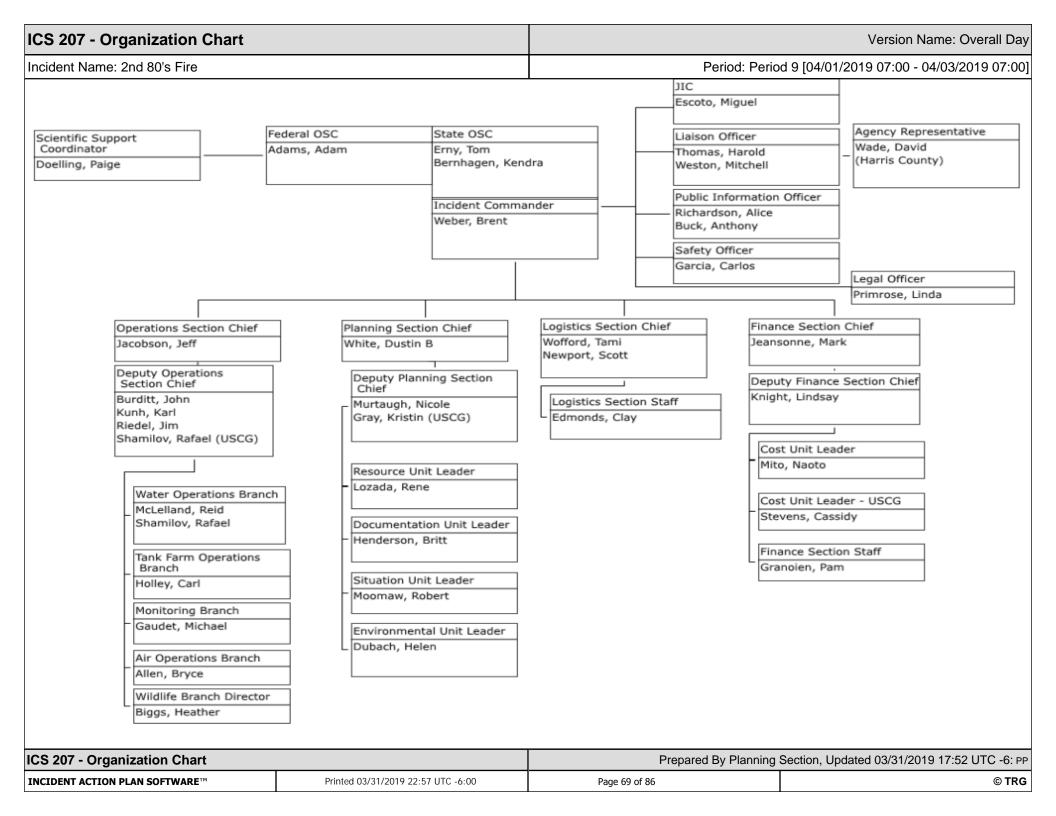
### **EMERGENCY MEDICAL PROCEDURES**

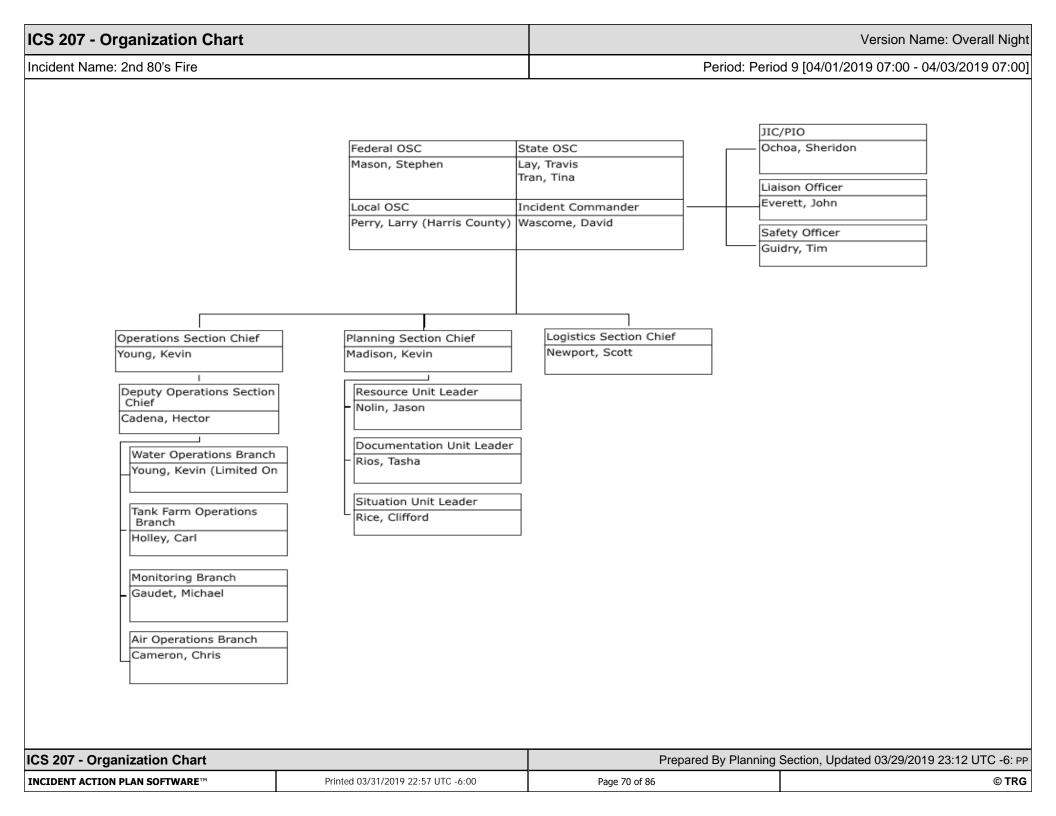
In the event of a medical emergency provide the following information to the Communications Unit.

- 1. Declare the nature of the emergency.
  - Medical injury/illness?
  - If injury/illness, is it Life Threatening?
- 2. If Life Threatening, then request that the designated frequency be cleared for emergency traffic.
- 3. Identify the on-scene Point of Contact (POC) by Resource and Last name.
- 4. Identify nature of incident, number injured, patient assessment(s) and location (geographic and GPS coordinates).
- 5. Identify on-scene medical personnel by position and name.
- 6. Identify preferred method of patient transport.
- 7. Request any additional resources and/or equipment needed.
- 8. Document all information received and transmitted on the radio or phone.
- 9. Identify any changes in the on-scene Point of Contact or medical personnel as they occur.









ICS 208 - Site Safety Plan						Version Name: Division A On Water Operations									
Incident Name: 2nd 80's Fire						Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]									
Applies to Site: Division A															
						Site Chara	cteriza	tion							
Wate	•		Lan	d				Weather		Partly	Cloudy				
Wave	Heigl	ht	Lan	d Use	<b>)</b>			Air Temp	)	65 Fa	hrenheit				
Spee	d							Wind Sp	eed						
Direc	tion							Direction	1						
	•			ı		Site H	azards								
Yes	No	Hazards		Yes		Hazards			Yes	No	Hazards				
x		Boat Safety			x	Fire, Explo Burning	osion, I	n-situ	x		Pump Hose				
x		Chemical Hazar	rds	x		Heat Stres	ss		x		Slips, Trips, and F	-alls			
	x	Cold Stress			X	Helicopter	Opera	tions		x	Steam and Hot W	/ater			
	x	Confined Space	es	x		Lifting				x	Trenching/Excava	ation			
	x	Drum Handling		x		Motor Veh	nicles		x		UV Radiation				
x		Equipment Ope		x		Noise			х		Visibility				
	X	Electrical Opera	ations	x	$\perp \perp$	Overhead		Utilities	x		Weather				
X		Fatigue		х		Plants/Wil	ldlife		x Work Near Water						
			T			Air Monito	ring Li								
Oxyge	en Lev	rel	Outside 19.		/drogen	Sulfide		10	ppm	Γotal H	ydrocarbons	50 ppm			
LEL			Greater tha		enzene			.5	ppm						
						Engineerin	ng Con	trols							
x	Sourc	ce of release sec	ured	x	Valve	Valve(s) closed				x Energy sources locked/tagged out					
x	Site s	ecured		x	Facili	ty shut dow	/n								
				Per	sonal l	Protective	Equip	nent Requ	ired						
	Impe	rvious suit		x	Flame	e resistant o	clothing	J	x	Eye p	Eye protection				
x	Inner	gloves		x	Hard	hats			X	Perso	onal flotation				
X	Outer	gloves		x	Resp	irators			X	Boots	3				
				Add	ditional	Control M	leasure	es Establis	hed						
x	Deco	ntamination		X		nation			x	Additional stations established					
X	Sanita	ation		x	Medio	cal surveilla	ınce		x	Facili	ties provided				
							Plan								
x	Boom					vation				Hot w					
X	Skimi			X		y equipmer	nt			Appro	priate permits use	d			
x   Vac trucks     x   Sorbent pads															
x Pumping															
						1	ning	= = = =							
X	Verified site workers trained per local/federal regulatory requirements   Training Requirements   HAZWOPER														
ICS 2	ICS 208 - Site Safety Plan  Prepared By Safety Officer, Updated 03/27/2019 17:24 UTC -6:00 PP														
	ICS 208 - Site Safety Plan  INCIDENT ACTION PLAN SOFTWARE™ Printed 03/31/2019 22:57 UTC -6:00							Page 71 of 86 © TRG							

ICS 208 - Site Safety Plan						Version Name: Division A On Water Operations						
Incident Name: 2nd 80's Fire						Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]						
					anization							
Posit	ion	Name	Telephor	Posi	tion		Name	Name				
Incid	ent Commander	Weber, Brent		(225) 806	6-5136		er Operations ch Superviso		McLelland, Reid	d	281-838-7567	
	y Officer (Water ations)	Larson, Alan		786-973-	1225		er Operations ch Supervisc CG)		Tilimon, Matthe	ew .	832-256-3261	
Oper Chief	ations Section	Jacobson, Jeff		713-516-	6916							
					Emerge	ncy P	Plan					
x	Fire Prevention P	lan	x	] Evacua	ation Plan	١						
X	Alarm System		X	First A	id Locatio	n						
					Notific	cation	ıs					
	Facility			Phone	!		Facility				Phone	
x	Hospital	Houston Healt Southeast	hcare	713-35	59-1440	X	Fire		Channelview F	FD .	911 / (281) 452- 5782	
x	Ambulance	Acadian Ambu - In Staging Ar		409-83	33-3800	X	Law Enforceme	ent	Harris County Sheriff		(713) 637-0014	
x	Air Ambulance	Channelview F	-D	911 / (2 -5782	281) 452		Emergency Response/ e					
		•			Initial	Briefiı	ng					
x	Initial safety briefi	ng prepared for e	each	site								
				Atta	achments	s/App	endices					
Attac	chment			Filena	ame							
ICS2 24M	08 SSP On Water AR19	Operations Brand	ch	Form	PDF.pdf							
	208 - Site Safety P					Pre		-	cer, Updated 03/2	7/2019	17:24 UTC -6:00 PF	
INCID	INCIDENT ACTION PLAN SOFTWARE™ Printed 03/31/2019 22:57 UTC -6:0						Page 72	of 86			© TRG	

ICS 2	208 -	Site Safety P	an					١	/ersior	n Nam	e: Division B On V	Vater Operations
Incide	nt Nar	ne: 2nd 80's Fire						Period: F	Period	9 [04/0	01/2019 07:00 - 0	4/03/2019 07:00]
Applie	s to S	ite: Division B										
					,	Site Chara	cteriza	tion				
Water			Lan	d				Weather		Partly	Cloudy	
Wave	Heigh	nt	Lan	d Use				Air Temp	)	65 Fa	hrenheit	
Speed	t	0.48 knot						Wind Sp	eed			
Direct	tion	(s) NNW						Direction	1			
						Site Ha	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety			x	Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Hazar	ds	x		Heat Stres	SS		x		Slips, Trips, and	Falls
	x	Cold Stress			x	Helicopter	Opera	tions		x	Steam and Hot	Nater
	x	Confined Space	S	x		Lifting				x	Trenching/Excav	/ation
	x	Drum Handling		X		Motor Veh	icles		x		UV Radiation	
X		Equipment Ope	rations	x		Noise			x		Visibility	
	X	Electrical Opera	tions	X		Overhead		Utilities		X	Weather	
X		Fatigue		X		Plants/Wil			x		Work Near Wate	er
						Air Monito	ring Li		T_			
Oxyge	Oxygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
LEL			Greater tha		nzene			.5	ppm			
				_		Engineerin	g Con	trols				
x	Sourc	ce of release secu	ıred	x	Valve	(s) closed			x	Energ	gy sources locked	/tagged out
X	Site s	ecured		x	Facilit	ty shut dow	'n					
				Pers	onal F	Protective	Equipn	nent Requ	ired			
	Imper	vious suit		x	Flame	e resistant o	clothing	J	x	Eye p	rotection	
x	Inner	gloves		x	Hard	hats				Perso	onal flotation	
x	Outer	gloves		X	Respi	irators			x	Boots	3	
				Add	itional	Control M	easure	es Establis	hed			
X		ntamination		X		nation			X		ional stations esta	ablished
X	Sanita	ation		x	Medic	cal surveilla			x	Facili	ties provided	
	_						Plan					
x	Boom				Exca					Hot w		
x	Skimr			X	-	y equipmen	nt			Appro	opriate permits us	ed
X	x     Vac trucks     x     Sorbent pads       x     Pumping     Patching											
X	Pump	oirig			Patch		nina					
		ed site workers tra		cal/fed	eral	Training Requirem		HAZWOPE	ER .			
	J					, ,		ared Dy C-1	oh Otr	ina: 11	deted 09/97/9949	7:06 UTO 0.00
		ite Safety Plan ION PLAN SOFTWARE	TM Delete 1	72/21/20	10 22 57	LITC 4:00	Prepa	•	-	cer, Up	dated 03/27/2019 1	7:26 UTC -6:00 PP
TIACTOR	IVI ACI.	TON PLAN SUPIWAKE	riintea (	JJ/ J 1/ ZU	17 22:5/	UTC -6:00	l	Page 73	UI 00		1	⊎ iKG

ICS	208 - Site Safe	ty Plan				١	ersion/	Name: Division B C	n Water Operations				
Incid	ent Name: 2nd 80's	s Fire				Period: F	Period 9	9 [04/01/2019 07:00	- 04/03/2019 07:00]				
				Orgar	izatio	on							
Posit	ion	Name		Telephone/Radio	Posi	tion		Name	Telephone/Radio				
Incid	ent Commander	Weber, Brent		(225) 806-5136		er Operations ch Superviso		McLelland, Reid	281-838-7567				
	y Officer (Water ations)	larson				er Operations ch Supervisc CG)		Tilimon, Matthew	832-256-3261				
Oper Chie	ations Section	Jacobson, Jeff		713-516-6916									
				Emerge	ncy F	Plan							
x	Fire Prevention F	lan	x	Evacuation Plan	)								
x	Alarm System		х	First Aid Location	n								
				Notifi	cation	ıs							
	Facility			Phone		Facility			Phone				
x	Hospital	Houston Healtl Southeast	hcare	713-359-1440	x	Fire		Channelview FD	911				
X	Ambulance	Acadian Ambu - In Staging Are		409-833-3800	X	Law Enforceme	nt	Harris County Sheriff	(713) 637-0014				
x	Air Ambulance	Channelview F	.D	911		Emergency Response/ e							
		_		Initial	Briefi	ng		•					
x	Initial safety briefi	ng prepared for e	each	site									
				Attachment	s/App	endices							
Atta	chment			Filename	Filename								
ICS2 24M/	08 SSP On Water AR19	Operations Brand	ch	FormPDF.pdf									
ICS 2	208 - Site Safety P	lan			Pre	epared By Safe	ety Offic	cer, Updated 03/27/20	19 17:26 UTC -6:00 PP				
INCID	ENT ACTION PLAN SOF	TWARE™ Printed	03/31/	2019 22:57 UTC -6:00		Page 74	of 86		© TRG				

ICS 2	208 -	Site Safety P	lan					V	/ersior	n Name	e: Division C On	Water Operations
Incide	cident Name: 2nd 80's Fire Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]  oplies to Site: Division C											
Applie	es to S	ite: Division C										
						Site Chara	cteriza	tion				
Wate	r		Lan	d				Weather		Partly	/ Cloudy	
Wave	Heigl	nt	Lan	d Use				Air Temp	)	65 Fa	ahrenheit	
Spee	d	0.48 knot						Wind Sp	eed			
Direc	tion	(s) NNW						Direction	า			
						Site H	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety		x		Fire, Explo	osion, lı	n-situ	x		Pump Hose	
x		Chemical Hazar	ds	x		Heat Stres	SS		x		Slips, Trips, and	d Falls
	x	Cold Stress			x	Helicopter	Opera	tions		x	Steam and Hot	Water
	X	Confined Space	s	X		Lifting				x	Trenching/Exca	vation
	x	Drum Handling		x		Motor Veh	icles			x	UV Radiation	
x		Equipment Ope	rations	x		Noise			x		Visibility	
	X	Electrical Opera	itions	X		Overhead	/Buried	Utilities		x	Weather	
x		Fatigue		X		Plants/Wil	dlife		x		Work Near Wat	er
	Air Monitoring Limits											
Oxyge	Oxygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
LEL			Greater that		nzene			.5	ppm			
					ı	Engineerin	g Con	trols				
x	Sourc	ce of release secu	ured	x	Valve	(s) closed			x	Energ	gy sources locked	d/tagged out
X	Site s	ecured		X	Facili	ty shut dow	'n					
				Pers	onal I	Protective	Equipn	nent Requ	ired			
	Impe	vious suit		X	Flame	e resistant o	clothing		x	Eye p	protection	
X	Inner	gloves		x	Hard	hats			X	Perso	onal flotation	
x	Outer	gloves		X	Resp	irators			x	Boots	S	
	1			Add	T	Control M	leasure	s Establis	hed			
X		ntamination		x		nation			x	-	ional stations est	ablished
x	Sanita	ation		x	Medic	cal surveilla			x	Facili	ties provided	
	1_				Τ_		Plan			T		
X	Boom					vation				Hot w		
X	Skimi			x		y equipmer	nt			Appro	opriate permits us	sed
x												
x	Pump	oing			Patch		•					
x		ed site workers tra		cal/fed	eral	Training Requirem		HAZWOPE	ΞR			
ICS 2	CS 208 - Site Safety Plan  Prepared By Safety Officer, Updated 03/27/2019 17:28 UTC -6:00 PP											
INCIDE	NT ACT	ION PLAN SOFTWARE	™ Printed	03/31/20	19 22:57	UTC -6:00		Page 75	of 86			© TRG

ICS	208 - Site Safe	ety Plan				١	/ersion	Name: Division C C	n Water Operations
Incid	ent Name: 2nd 80'	s Fire				Period: F	Period 9	9 [04/01/2019 07:00	- 04/03/2019 07:00]
				Orgai	nizatio	on			
Posi	tion	Name	7	Telephone/Radio	Posi	tion		Name	Telephone/Radio
Incid	ent Commander	Weber, Brent	(	225) 806-5136		er Operations ch Superviso		McLelland, Reid	281-838-7567
	ty Officer (Water rations)	Larson, Alan	7	786-973-1225	Wate Bran (USC	er Operations ch Superviso CG)	S Or	Tilimon, Matthew	832-256-3261
Oper Chie	rations Section f	Jacobson, Jeff	7	713-516-6916					
				Emerge	ency F	Plan			
x	Fire Prevention F	Plan	x	Evacuation Plan	1				
x	Alarm System		x	First Aid Location	n				
			Notifi	cation	ıs				
	Facility			Phone		Facility	Phone		
	Hospital	Houston Healt Southeast	hcare	713-359-1440	x	Fire		Channelview FD	911
x	Ambulance	Acadian Ambu - In Staging Ar		409-833-3800	x	Law Enforceme	ent	Harris County Sheriff	(713) 637-0014
X	Air Ambulance	Channelview F	.D	911		Emergency Response/ e			
				Initial	Briefii				
x	Initial safety brief	ing prepared for e	each s			<u></u>			
	,	<u> </u>		Attachment	s/App	endices			
Atta	chment			Filename					
	:08 SSP On Water AR19	Operations Brand	ch	FormPDF.pdf					
ICS 2	208 - Site Safety F	Plan			Pre	epared By Safe	ety Offic	er, Updated 03/27/201	9 17:28 UTC -6:00 PP
INCID	ENT ACTION PLAN SOF	TWARE™ Printed	03/31/20	019 22:57 UTC -6:00		Page 76	of 86		© TRG

ICS 2	208 -	Site Safety Pl	an					V	ersior/	n Name	e: Division D On Wa	ater Operations
Incide	nt Nar	ne: 2nd 80's Fire						Period: F	Period	9 [04/0	01/2019 07:00 - 04/	03/2019 07:00]
Applie	s to S	ite: Division D										
					,	Site Chara	cteriza	ation				
Water			Lan	d				Weather		Partly	/ Cloudy	
Wave	Heigl	nt	Lan	d Use				Air Temp	)	65 Fa	hrenheit	
Speed	t	0.48 knot						Wind Sp	eed			
Direc	tion	(s) NNW						Direction	<b>,</b>			
200						Site Ha	azards		-			
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Hazar	ds	x		Heat Stres	SS		х		Slips, Trips, and F	alls
	х	Cold Stress			x	Helicopter	Opera	itions		x	Steam and Hot Wa	ater
	x	Confined Space	S	x		Lifting				x	Trenching/Excava	tion
	x	Drum Handling		x		Motor Veh	icles		х		UV Radiation	
x									х		Visibility	
	□ x Electrical Operations x □ Ov						/Buried	l Utilities		x	Weather	
X	x   _   Fatigue   x   _   Pla						dlife		x		Work Near Water	
						Air Monito	ring Li	imits				_
Oxyge	en Lev	el	Outside 19.	5- Hyo 3.5	drogen	Sulfide		10	ppm -	Total H	lydrocarbons	50 ppm
LEL			Greater tha		nzene			.5	ppm			
			10						<u>''  </u>			
					_	Engineerin	g Con	trols				
x		ce of release secu	ıred	X		(s) closed			X	Energ	gy sources locked/ta	agged out
X	Site s	ecured		x		ty shut dow						
				Pers				ment Requ		_		
		vious suit		x		e resistant o	clothing	9	x	<u> </u>	protection	
X		gloves		x	Hard					_	onal flotation	
X	Outer	gloves		x	<u> </u>	rators			x	Boots	8	
					T		easure	es Establis		I		
X		ntamination		X	-	nation			X		ional stations establ	ished
X	Sanita	ation		x	Iviedic	al surveilla			X	Facili	ties provided	
	D = = ==	.t				Work	Plan			Hatis		
X	Boom				Exca		.+		$\vdash \vdash$	Hot w		1
X	x   Skimming   x   Heavy equipment   Appropriate permits used     x   Vac trucks   x   Sorbent pads							1				
X	Pump			X	Patch							
	ı ump	wing			T aton	Trai	nina					
x		ed site workers tra atory requirement		cal/fed	eral	Training Requirem		HAZWOPE	ER			
						•		•				
ICS 2	08 - Si	te Safety Plan					Prep	ared By Safe	ety Offi	icer, Up	dated 03/27/2019 17:	30 UTC -6:00 PP
		ION PLAN SOFTWARE	™ Printed (	03/31/20	19 22:57	UTC -6:00		Page 77	-		I	© TRG

ICS 2	208 - Site Safe	ty Plan				V	ersion	Name: Division D Or	n Water Operations
Incide	ent Name: 2nd 80's	s Fire				Period: P	eriod 9	9 [04/01/2019 07:00 -	04/03/2019 07:00]
				Organ	izatio	n			
Positi		Name		elephone/Radio	Posi			Name	Telephone/Radio
Incide	ent Commander	Weber, Brent	(2	225) 806-5136	Oper Chie	ations Sectio	n	Jacobson, Jeff	713-516-6916
Safety	/ Officer	Sterkel, Gary	28	81-384-9519					
				Emerge	-	Plan			
X	Fire Prevention P	lan	X	Evacuation Plan					
X	Alarm System		X	First Aid Location					
				Notific	cation				T_,
<u> </u>	Facility	T		Phone	_	Facility		lo =5	Phone
	Hospital	Houston Healtho		713-359-1440	X	Fire		Channelview FD	911
x	Ambulance	Acadian Ambula - In Staging Area		409-833-3800	Enforcement Emergency			Harris County Sheriff	(713) 637-0014
x	Air Ambulance	Channelview FD	)	911		Emergency Response/F			
				Initial	Briefii	L-			
x	Initial safety briefi	ng prepared for ea	ich si			<u>-9</u>			
	•	<u> </u>		Attachments	s/App	endices			
Attac	hment			Filename					
		Operations Branch	1	FormPDF.pdf					
Attachment Filename									
100.0	08 - Site Safety P	I a u					t. 0"	er Undated 03/27/2019	2.47.00 LITO 2.22

INCIDENT ACTION PLAN SOFTWARE  $^{\text{\tiny TM}}$ 

Printed 03/31/2019 22:57 UTC -6:00

Page 78 of 86

© TRG

ICS 2	208 -	Site Safe	ty Pl	an							Versio	n Name: Division E
Incide	pplies to Site:							Period: I	Period	9 [04/	01/2019 07:00	- 04/03/2019 07:00]
Applie	s to S	ite:										
							Site Chara	cterization				
Wate				Lan	d			Weather				
Wave	Heigl	nt		Lan	d Use	)		Air Tem	p			
Speed	b							Wind Sp	eed			
Direc	tion							Direction	n			
							_	azards	,			
Yes	No	Hazards			Yes	No	Hazards		Yes	No	Hazards	
		Boat Safe	ty				Fire, Expl Burning	osion, In-situ			Pump Hose	
		Chemical	Hazar	ds			Heat Stre	SS			Slips, Trips, a	nd Falls
		Cold Stres	ss				Helicopte	r Operations			Steam and Ho	ot Water
						Lifting				Trenching/Exc	cavation	
							Motor Vel	or Vehicles UV Radiation				
							Noise				Visibility	
							Overhead	ead/Buried Utilities				
						Plants/Wi	ldlife			Work Near W	ater	
							Air Monito	ring Limits				
Oxyge	en Lev	el			Ну	drogen	Sulfide		٦	Γotal ⊢	lydrocarbons	
LEL					Ве	nzene						
							Engineerii	ng Controls				
	Sourc	e of releas	e secu	red		Valve	(s) closed			Ener	gy sources lock	ed/tagged out
	Site s	ecured				Facili	ty shut dov	/n				
					Per	sonal I	Protective	Equipment Requ	ired			
	Impe	vious suit				Flame	e resistant	clothing			protection	
	Inner	gloves				Hard	hats			Perso	onal flotation	
	Outer	gloves				Resp	irators			Boots	3	
					Ada	litional	Control N	leasures Establis	shed			
	Deco	ntamination	1			Illumi	nation			Addit	ional stations e	stablished
	Sanita	ation				Medio	cal surveilla	nce		Facili	ties provided	
							Worl	k Plan				
	Boom	ning				Exca	vation			Hot w	vork	
	Skimı					Heav	y equipmei	nt		Appro	opriate permits	used
	Vac ti					_	ent pads					
	Pump	oing				Patch	ning					
							1	ning				
		ed site work atory require		ined per lo	cal/fec	deral	Training Requiren	nents				
Orga							Organ	ization				
Positi	Position Name Telephone/Radio						ne/Radio	Position		Name	9	Telephone/Radio
Incide	ncident Commander Weber, Brent (225) 806-5136						06-5136	Water Operations Branch Superviso		McLe	elland, Reid	281-838-7567
ICS O	no e:	te Safety F	Dian					Prepared By Safety Officer, Updated 03/26/2019 14:41 UTC -6:00 Pr				
		ION PLAN SOF		IM Printed	N3/31/20	119 22-57	UTC -6:00	Prepared by Sar Page 79	-	σει, υρ	03/20/201	9 14.41 01C -6.00 PP

ICS :	208 - Site Safe	ty Plan						Vers	ion Name: [	Division E				
Incide	ent Name: 2nd 80's	s Fire			Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:						19 07:00]			
Safety Opera	y Officer (Water ations)	Larson, Alan	7	86-973-1225	Wate Bran (USC	ch Supervisc	S Or	Tilimoi	n, Matthew	832-256-	3261			
Opera Chief	ations Section	Jacobson, Jeff	7	13-516-6916										
				Emerge	ncy F	Plan								
	Fire Prevention P	lan		Evacuation Plan										
	Alarm System			First Aid Locatio										
	- w			Notific	cation									
	Facility			Phone		Facility Fire		1		Phone				
	Hospital Ambulance					Law								
	Ambulance					Enforceme	ent							
	Air Ambulance					Emergency Response/								
			Briofi	e na										
Initial safety briefing prepared for each site														
	,	31 1												
ICS 2	08 - Site Safety P	lan			Pre	epared By Safe	ety Offic	cer, Upo	lated 03/26/20	)19 14:41 UT	C -6:00 PP			
	ENT ACTION PLAN SOF	Prepared By Safety Officer, Updated 03/26/2019 14:41 UTC -6:00 PP  Page 80 of 86 © TRG												

ICS 2	208 -	Site Safety Pl	an							Vers	sion Name: Tank Fa	arm Operations
Incide	nt Nar	ne: 2nd 80's Fire						Period: F	Period	9 [04/0	01/2019 07:00 - 04/	03/2019 07:00]
Applie	s to S	ite: Division E										
						Site Chara	cteriza	ation				
Water	•		Lan	d				Weather		Mostl	y Cloudy	
Wave	Heigl	nt	Lan	d Use				Air Temp	)	68 Fa	ahrenheit	
Speed	d	0.48 knot (s)						Wind Sp	eed	0 mpł	h	
Direc	tion	NNW						Direction	1	SSE		
						Site Ha	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
	x	Boat Safety		x		Fire, Explo	osion, I	n-situ	x		Pump Hose	
x		Chemical Hazar	ds	x		Heat Stres	SS		x		Slips, Trips, and F	alls
	x	Cold Stress		x		Helicopter	Opera	itions		x	Steam and Hot Wa	ater
	X	Confined Space	s	x		Lifting				x	Trenching/Excava	tion
	X	Drum Handling		x		Motor Veh	icles		x		UV Radiation	
X									x		Visibility	
								Utilities		x	Weather	
X	x       Fatigue       x   Pla									x	Work Near Water	
				_ 1		Air Monito	ring Li					1
Oxyge	en Lev	el	Outside 19.	.5- Hyd 3.5	drogen	Sulfide		10	ppm	Total H	lydrocarbons	50 ppm
LEL			Greater tha	ın Bei	nzene			.5	ppm			
			10	70		Engineerin	a Con	trols				
	Sourc	e of release secu	ıred	x	_	(s) closed	9		х	Enero	gy sources locked/ta	aged out
x		ecured		x		ty shut dow	'n				<b>5</b> ,	33
				Pers	onal F	Protective	Equip	ment Requ	ired			
	Impe	vious suit		x	Flame	e resistant o	clothing	]	х	Eye p	protection	
x	Inner	gloves		x	Hard	hats				Perso	onal flotation	
x	Outer	gloves		x	Respi	irators			х	Boots	3	
				Add	itional	Control M	easure	es Establis	hed			
X	Deco	ntamination		x	Illumii	nation			x	Additi	ional stations establ	ished
x	Sanit	ation		x	Medic	cal surveilla	nce		x	Facili	ties provided	
					_	Work	Plan					
	Boom				Exca					Hot w		
	Skimı			X		y equipmen	ıt			Appro	opriate permits used	l
X	Vac ti			x		ent pads						
X	Pump	ping			Patch							
x		ed site workers tra atory requirement		cal/fed	eral	Training Requirem	ning ents	HAZWOPE	ĒR			
ICS 2	08 - Si	te Safety Plan					Prep	ared By Safe	ety Offi	icer, Up	dated 03/28/2019 10:	39 UTC -6:00 PP
INCIDE	NT ACT	ION PLAN SOFTWARE	™ Printed (	03/31/20	19 22:57	UTC -6:00		Page 81	of 86			© TRG

ICS :	208 - Site Safe	ty Plan						Version Name: Ta	nk Farm Operations
Incide	ent Name: 2nd 80's	Fire				Period: F	Period 9	9 [04/01/2019 07:00	- 04/03/2019 07:00
				Orgai	izatio	n			
Positi	ion	Name	7	Telephone/Radio	Posi	tion		Name	Telephone/Radio
Incide	ent Commander	Weber, Brent	(	225) 806-5136	Opei Chie	ations Section	on	Jacobson, Jeff	713-516-6916
Safet	y Officer	Collins, Ray	7	713-614-8550					
				Emerge	ncy F	lan			
x	Fire Prevention P	lan	X	Evacuation Plan	1				
х	Alarm System		X	First Aid Location	n				
				Notifi	cation				
	Facility	1		Phone		Facility			Phone
x	Hospital	Houston Health Southeast	ncare	713-359-1440	x	Fire		Deer Park VFD	911/281-479- 1511
x	Ambulance	Deer Park VFD		911/281-479- 1511	x	Law Enforceme	nt	Harris County Sheriff	(713) 637-0014
	Air Ambulance	Deer Park VFD	)	911/281-479- 1511	X	Emergency Response/ e		Deer Park VFD	911/281-479- 1511
				Initial	Briefi	ng			
x	Initial safety briefi	ng prepared for e	ach s						
_				Attachment	s/App	endices			
	hment			Filename					
	line Blendstock - C			Gasoline Blend					
Gaso	line Blendstock.pd	f		Gasoline Blenc	lstock.	pdf			
Marat	thon Petroleum Xy	lene - Copy.pdf		Marathon Petro	oleum	Xylene - Cop	y.pdf		
PYRO	DLYSIS GASOLINI	E - Copy.pdf		PYROLYSIS G	ASOL	INE - Copy.p	odf		
Tolue	ne Commercial Gr	ade - Copy.pdf		Toluene Comm	ercial	Grade - Cop	y.pdf		
YUBA	ASE 4 plus - Copy.	pdf		YUBASE 4 plus	s - Co	oy.pdf			
YUBA	ASE 6 - Copy.pdf			YUBASE 6 - C	ору.рс	lf			

ICS 208 - Site Safety Plan		Prepared By Safety Officer, Upda	ated 03/28/2019 10:39 UTC -6:00 PP
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/31/2019 22:57 UTC -6:00	Page 82 of 86	© TRG

ICS 2	208 -	Site Safety P	lan							Versi	on Name: On-Wa	ater Decon Group
Incide	nt Nar	ne: 2nd 80's Fire						Period: F	Period	9 [04/0	01/2019 07:00 - 0	04/03/2019 07:00]
Applie	s to S	ite: On-Water De	econ Group									
						Site Chara	cteriza	tion				
Water	,		Lan	d				Weather		Partly	/ Cloudy	
Wave	Heigh	nt	Lan	d Use				Air Temp	)	65 Fa	hrenheit	
Speed	i	0.48 knot						Wind Sp	eed			
Direct	ion	(s) NNW						Direction	1			
						Site H	azards					
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards	
x		Boat Safety			x	Fire, Explo	osion, li	n-situ	x		Pump Hose	
x		Chemical Hazar	ds	x		Heat Stres	SS		x		Slips, Trips, and	f Falls
	x	Cold Stress			x	Helicopter	Opera	tions		x	Steam and Hot	Water
	X	Confined Space	S	x		Lifting				x	Trenching/Exca	vation
	X	Drum Handling		x		Motor Veh	icles		x		UV Radiation	
X		Equipment Ope		X		Noise			х		Visibility	
	x	Electrical Opera	tions	X		Overhead		Utilities		X	Weather	
X		Fatigue			x	Plants/Wil			х		Work Near Wate	er
	Air Monitoring Limits											
Oxyge	Oxygen Level Outside 19.5- Hydrogen Sulfide 10 ppm Total Hydrocarbons 50 ppm											
LEL			Greater tha	n Ber	nzene			.5	ppm			
				,,,,,		Engineerin	g Cont	trols				
x	Sourc	e of release secu	ured	x		(s) closed	<u> </u>		x	Energ	gy sources locked	d/tagged out
x	Site s	ecured		x		ty shut dow	'n			<u> </u>		
				Pers	onal F	Protective	Equipn	nent Requ	ired	_		
	Imper	vious suit		x	Flame	e resistant o	clothing		x	Eye p	rotection	
x	Inner	gloves		x	Hard	hats				Perso	onal flotation	
x	Outer	gloves		x	Respi	irators			x	Boots	3	
				Add	itional	Control M	easure	s Establis	hed			
x	Deco	ntamination		X		nation			x		ional stations est	ablished
X	Sanita	ation		x	Medic	cal surveilla			x	Facili	ties provided	
					T		Plan					
x	Boom				Exca					Hot w		
x	Skim			x		y equipmen	ıt			Appro	opriate permits us	sed
X	Vac ti			x	-	ent pads						
X	Pump	oing			Patch							
x	Verifie	ed site workers tra	ained per lo	cal/fed	eral	Training	ning	HAZWOPE	ER.			
		tory requirement				Requirem						
ICS 20	)8 - Si	te Safety Plan					Prepa	ared By Safe	ety Offi	icer, Up	dated 03/27/2019	17:32 UTC -6:00 PP
INCIDE	S 208 - Site Safety Plan         Prepared By Safety Officer, Updated 03/27/2019 17:32 UTC -6:00 PP           IDENT ACTION PLAN SOFTWARE™         Printed 03/31/2019 22:57 UTC -6:00         Page 83 of 86         © TRG											

ICS 208 - Site Safety Plan						Version Name: On-Water Decon Group							
Incid	ent Name: 2nd 80's			Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]									
				Organ	izatio	n							
Position Name Te				Telephone/Radio	Position			Name	Telephone/Radio				
Incident Commander Weber, Brent			(	(225) 806-5136	Water Operations Branch Supervisor			McLelland, Reid	281-838-7567				
	y Officer (Water ations)	Larson, Alan 7		786-973-1225	Water Operations Branch Supervisor (USCG)			Tilimon, Matthew	832-256-3261				
Operations Section Jacobson, Chief			-	713-516-6916									
				Emerge	ncy F	Plan							
x	Fire Prevention F	Plan	x	Evacuation Plan	vacuation Plan								
x	Alarm System		x	First Aid Locatio	n								
				Notific	Notifications								
	Facility			Phone		Facility			Phone				
	Hospital	pital Houston Healthcare Southeast		713-359-1440	X	Fire		Channelview FD	911 / (281) 452- 5782				
X	Ambulance	Acadian Ambulance - In Staging Area		409-833-3800	X	Law Enforcement		Harris County Sheriff	(713) 637-0014				
x	Air Ambulance	Air Ambulance Channelview FD		911 / (281) 452 -5782		Emergency Response/Rescu							
				Initial I	Briefii	na							
x	Initial safety brief	ing prepared for e	ach s			<u> </u>							
	-	<u> </u>		Attachments	s/App	endices							
Atta	chment			Filename									
ICS2	08 SSP On Water AR19	Operations Brand	ch	FormPDF.pdf									
ICS 2	208 - Site Safety P		Prepared By Safety Officer, Updated 03/27/2019 17:32 UTC -6:00 PP										
INCIDENT ACTION PLAN SOFTWARE™ Printed 03/31/201				019 22:57 UTC -6:00		Page 84	of 86		© TRG				

ICS 208 - Site Safety Plan							Version Name: ICP Pasedena						
Incident Name: 2nd 80's Fire							Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]						
Applie	s to S	ite: ICP Pasader	na									-	
Site Characterization													
Water Land Weather													
Wave	Heigh	nt	Lan	d Use	<b>)</b>			Air Temp	)	76 Fa	ahrenheit		
Speed	i	0.48 knot (s)						Wind Sp	eed	2 mpl	h		
Direct	ion	NNW						Direction SE					
Site Hazards													
Yes	No	Hazards		Yes	No	Hazards			Yes	No	Hazards		
	X	Boat Safety			x	Fire, Explo	osion, Ir	n-situ	x	Pump Hose			
	X	Chemical Hazar	ds		x	Heat Stres	SS		х		Slips, Trips, and Falls		
	X	Cold Stress			x	Helicopter	Operat	ions		x	Steam and Hot Water		
	x	Confined Space	S	x		Lifting				x Trenching/Excavation			
	X	Drum Handling		x		Motor Veh	nicles			x	x UV Radiation		
	X	Equipment Oper	ations		x	Noise	e			X	Visibility		
	X	Electrical Opera	tions		x	Overhead	/Buried	Utilities		x	Weather		
x		Fatigue			X	Plants/Wil	dlife			X	•		
Air Monitoring Limits													
Oxyge	n Lev	el	Outside 19. 23	5- Hydrogen Sulfide 8.5				10 ppm Total Hy			lydrocarbons	50 ppm	
LEL			Greater tha	an Benzene 0%				.5 ppm					
						Engineerin	g Cont	rols					
	Sourc	e of release secu	ıred		☐ Valve(s) closed					Energy sources locked/tagged out			
x	Site s	ecured			Facili	ty shut dow	'n						
				Per	sonal l	Protective	Equipm	nent Requ	ired				
	Imper	vious suit		Flame resistant of			clothing			Eye protection			
☐ Inner gloves				Hard	hats		Person			onal flotation			
Outer gloves					Resp	irators		Воо			Boots		
				Add	litional	Control M	leasure	s Establis	hed				
Decontamination				x Illumination				x			Additional stations established		
x Sanitation				x	Medio	cal surveilla	nce		x	Facili	ties provided		
							Plan		T				
Booming				Excavation					Hot work				
Skimming				X						Appro	opriate permits use	ed	
Vac trucks			Sorbent pads										
x Pumping					Patch								
Training    Varified site workers trained per level/federal   Training													
Verified site workers trained per local/federal regulatory requirements  Training Requirements													
ICS 20	)8 - Si	te Safety Plan					Prepa	ared By Safe	ety Offi	cer, Up	dated 03/25/2019 18	3:09 UTC -6:00 PP	
INCIDENT ACTION PLAN SOFTWARE™ Printed 03/31/2019 22:57						UTC -6:00		Page 85 of 86				© TRG	

ICS 208 - Site Safety Plan						Version Name: ICP Pasedena						
Incid	ent Name: 2nd 80's	s Fire			Period: Period 9 [04/01/2019 07:00 - 04/03/2019 07:00]							
				Organ	izatio	n						
Posit	ion	Name	7	elephone/Radio	Posi	tion		Name	Telephone/Radio			
Incid	ent Commander	Weber, Brent	(2	225) 806-5136	Operations Section Chief			Jacobson, Jeff	713-516-6916			
Safet	y Officer	Sterkel, Gary	2	81-384-9519								
				Emerge	ency Plan							
	Fire Prevention P	Evacuation Plan	)									
x	Alarm System	First Aid Locatio	n									
Notifications												
	Facility			Phone	Facility				Phone			
x	Hospital	Houston Heal Southeast	thcare	713-359-1440	x	Fire		Pasadena VFD	911/713.475.55 54			
x	Ambulance	Pasadena VF	D	911/713.475.5 554	X	Law Enforceme	nt	Harris County Sheriff	(713) 637-0014			
X	Air Ambulance	Pasadena VF	D	911/713.475.5 554	X	Emergency Response/F		Pasadena VFD	911/713.475.55 54			
					Briofi	1 -						
x	Initial safety briefi	ng prepared for	oach s		<u> </u>	<i>'</i> 9						
ICS 2	208 - Site Safety P	lan			Prepared By Safety Officer, Updated 03/25/2019 18:09 UTC -6:00 PP							
	INCIDENT ACTION PLAN SOFTWARE™ Printed 03/31/2019 22:57 UTC -6:00						Page 86 of 86 © TRG					
111110d 30/31/2017 22.37 010 10.00						Page 86 OT 86 © TRG						